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Biological aspects of *Hersilia caudata* Savigny, 1825 (Arachnida: Araneida: Hersiliidae)

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Abstract

Hersilia caudata Savigny, 1825 was reared under laboratory conditions, 26-28°C and 60-70% R.H. Both mating and feeding behaviours were described. The fertilized female deposited 7-8 egg sacs, each one contained 60-70 eggs. The incubation period averaged 16 days at summer and 35 days at winter. The spider passed through 8 spiderling instars for male and 9 spiderling instars for female. The longest period was that of the 1st spiderling instar: 37.66 days per male and 37.70 days per female; while the 8th spiderling instar of male and the 9th spiderling instar of female had the shortest periods: 26.29 days per male and 23.26 days per female. Development time was 268.78 days per male and 302.84 days per female. Average life span was 321.13 days per male and 495.04 days per female. Food consumption and kinds of preys were studied.

Introduction

Hersilia caudata is the type species of genus *Hersilia*. It was described for the first time by Savigny in 1825 (El-Hennawy, 2000). There is no other species of the same genus in Egypt. It was recorded from Cairo to Assuan without certain locality except that of Cairo (El-Hennawy, 1990, 1992 & 1999).

Mohafez (2000) recorded *H. caudata* from five localities (Akhmim, El-Maragha, El-Mensha, Gerga and Johyna) in Sohag Governorate. He found it on the plants: Citrus, Fig, Grapes, Guava and Mango. It was the most abundant species during his study, for two years, after genus *Cheiracanthium*.

Until now, there is no published study on the biology of this species. Therefore, it was necessary to begin biological studies on it as a part of the agro-ecosystem fauna of Egypt.

Material and Methods

Alive spiders were individually picked up by fingers or by camelhair brush to small plastic vials. After that, spiders were transferred to laboratory for identification. The main reference for identifying adult Hersiliids was Baehr & Baehr (1993).

Gravid females, with large abdomens, were also collected from the field to obtain egg sacs. They were kept inside glass tubes, then transferred to the laboratory for rearing. Every adult specimen was individually reared inside a glass cylinder (13 cm diameter & 25 cm height), including in its middle a bar of wood (1x5x22 cm). Each glass cylinder was located over a pot of plastic (20 cm height & 15 cm diameter) filled with sand to fix the glass cylinder, that is made to provide a suitable environment to the spider. This study was conducted under laboratory conditions: 26-28°C and 60-70% R.H.

Number of specimens investigated for the average of duration stages of the spiderling instars and for average life span is: 56 (1st instar), 55 (2nd instar), 52 (3rd instar), 49 (4th & 5th instars), 47 (6th instar), 40 (7th instar), 39 (8th & 9th instars), 38 (life span: 17 males and 21 females).

Results and Discussion

Feeding Behaviour

When the predator spider *H. caudata* watched a prey, it usually came close to it, fast spinned silk threads around the prey within a few seconds and caught it between its chelicerae, imbedding fangs in it. The predator started to suck out the contents of the prey. After feeding, the spider abdomen became inflated and it usually rested for minutes. If the predator watched another prey, it hunts on it to collect some preys together. The spider used its mouthparts in sucking the prey contents. The feeding on the prey took about 5 minutes (White fly), 6 minutes (Jassid and *Drosophila*), 10 minutes (House fly and Fruit fly), 15 minutes (Moth of cotton leaf worm).

Mating Behaviour

The virgin female was fed about one hour before introducing the male into her glass jar. The display of male during courtship is very important to stimulate the female before copulation. In this species copulation took place without any silk structure. The male moved around the jar walls moving the forelegs forwardly, then he began to move the pedipalps. Courtship took place for few minutes when the female stopped moving around and start to come close to the male in retroactive movement for some times. After 3-10 minutes, the male actively walked around the female, moving the forelegs and pedipalps touching the female few times until the female responded by moving her forelegs and pedipalps towards the male. The male came close to the female, catching her from the pedicel by his forelegs. The male palp reached the epigynum. The mating process continued for about 3-5 minutes at both two sides, after which the male moved quickly away from the female. If the female refused copulation and moved away, the male waits for about 15-20 minutes. During this period the male may walk around the glass cylinder and may feed on some prey, then returns to the female displaying again until she responds and copulation takes place.

Duration of *Hersilia caudata*

Incubation period

The incubation period of *H. caudata* at room temperature in autumn is recorded in Table (1). Different incubation periods during different seasons were observed. The shortest period (16 days) was recorded during summer, while the longest period (35 days) was recorded during winter. It was 25 days at autumn and 27 days in spring.

Spiderlings

The spiderlings hatched and stayed inside the egg sac for 5-8 days before emerging out of it. They were able to move and to feed on preys. They passed through 8 instars per male and 9 instars per female (Table 1). The longest period was that of the 1st instar (37.70 days/female and 37.66 days/male). The shortest period was that of the last instar: 26.29 days/male, 8th instar and 23.26 days/female, 9th instar.

They did not feed on each other, i.e. no cannibalism. All immature stages were yellow brown in colour, with obvious pigmentation on the abdomen.

During this study, the 1st and 2nd instars were fed on the white fly (*Bemisia* sp.). The 3rd and 4th instars were fed on Jassid insect (*Empoasca* sp.). The 5th instar was fed on *Drosophila* sp. insect. The 6th and 7th instars were fed on the housefly (*Musca domestica*) and the fruit fly (*Ceratitis capitata*). The 8th and 9th instars were fed on cotton leaf worm insect (*Spodoptera littoralis*). In general, male spiders require moults or instars fewer than females to reach maturity (Foelix, 1982). This phenomenon seems essential to present a good chance for mating. Total immature stages averaged 243.78 and 277.84 days per male and female respectively.

Table 1: Duration of different stages of *Hersilia caudata* Savigny, 1825.

The developmental stages	Duration of different stages (days)			
	Female		Male	
	Mean	S.d.	Mean	S.d.
Egg incubation period	25	0.00	25	0.00
1 st spiderling instar	37.70	1.67	37.66	1.82
2 nd spiderling instar	37.26	1.48	37.17	1.62
3 rd spiderling instar	32.60	1.76	30.23	2.43
4 th spiderling instar	31.33	1.07	28.80	2.20
5 th spiderling instar	30.90	0.70	28.35	2.74
6 th spiderling instar	28.93	2.31	28.05	1.34
7 th spiderling instar	28.20	2.90	27.23	2.51
8 th spiderling instar	27.66	2.19	26.29	1.26
9 th spiderling instar	23.26	3.82	--	--
Total spiderling instars	277.84	5.62	243.78	3.38
Life cycle	302.84	5.58	268.78	3.19
Adult longevity	192.20	7.65	52.35	4.14
Life span	495.04	10.04	321.13	4.70

Life span

Average male life span was 321.13 days; while average female life span was 495.04 days. Foelix (1982) reported that most spiders of temperate regions do live only one year; but some may live for two. Generally, female spiders have longer life expectancy, and most males die shortly after mating.

Fecundity

Table (2) shows the number of deposited eggs per female average 421.26 during the oviposition period. The daily rate of deposited eggs was 4.21 eggs. The average number of egg sacs per female was 7.53; the egg sac was always 5 mm in diameter. Rahil (1988) investigated the biology of two spider species and stated that the average number of eggs was 175.54 and 125.28 for *Cheiracanthium* and *Steatoda*. While Sallam (1996) recorded 300-350 eggs in the egg sac of *Cheiracanthium*.

Longevity

The pre-oviposition period averaged 9.93 days, while the oviposition period averaged 81.93 days and the post-oviposition period averaged 100.4 days (Table 2). Female longevity averaged 192.20 days; while male longevity averaged 52.35 days (Table 1).

Oviposition

Within 9.93 days after copulation, the female becomes ready to begin laying eggs and to produce an egg sac. Fertilization takes place just before the eggs deposited. Normally eggs' laying takes only a few minutes, even when there are very many eggs (Foelix, 1982). The female usually stops feeding for 5 days before laying eggs. During these days, the female devoted her efforts to make a silky web on the wall of the glass jar or on the wooden part. Eggs were deposited within discoid egg sac. This process lasted for a few minutes. Eggs were yellowish white and almost spherical. The female covered the egg sac with another layer of dense silky web. After about 16 days in summer and about 35 days in winter the female laid eggs again and made her second egg sac. The average number of egg sacs per female was 6-9 during the oviposition period (Fig. 1).

Table 2: Fecundity of *Hersilia caudata* Savigny, 1825 female (feeding on different preys, at room temperature 25-26°C and 60-70 R.H.)

Developmental period of female	Mean	S.D.
Pre-oviposition (days)	9.93	1.03
Oviposition (days)	81.93	5.47
Post-oviposition (days)	100.40	6.88
Total average of eggs	421.26	16.15
Daily rate (eggs)	4.21	0.51
Average of female's egg sacs	7.53	1.15

Food consumption

"Insects are by far the largest part of the diet of a spider. Other arthropods, such as sowbugs or millipedes, are also on the list - as are spiders themselves! ... Most spiders are not fussy about what type of prey they fed on. Such spiders are called *polyphagous*, that is, they are generalists with respect to their prey." (Foelix, 1982).

During the study of food consumption of *H. caudata*, it was fed on various preys. Table (3) shows that those preys were: white fly, jassid, drosophila, housefly, fruit fly and cotton leaf worm insects. Both first and second instars of the spider were fed on adult white fly (*Bemisia* sp.). The daily rate number of consumed preys by the 1st instar spiderling was (5.23 and 6.09) per male and female; while for the 2nd instar, it was (12.11 and 15.40) per male and female. Both 3rd and 4th instars were fed on

adult jassid (*Empoasca* sp.). The daily rate number of consumed preys by the 3rd instar was (8.11 and 9.19) per male and female; while for the fourth spiderling it was (8.76 and 9.95) per male and female. The daily rate number of adult *Drosophila* sp. consumed by the 5th instar was (8.88 and 10.42) per male and female. The 6th instar was fed on adult housefly and daily rate number of consumed preys was (6.70 and 7.09) per male and female. The 7th instar was fed on fruit fly adults and the daily rate number of consumed preys was (7.35 and 7.66) per male and female. The 8th instar of male and female and the 9th instar of female were fed on adults (Moths) of the cotton leaf worm. The daily rate number of preys was (2.88 and 3.88) per male and female of the 8th instar; while for the 9th instar of female it was 4.25.

Adult stage of the spider was fed on adult stage of the fruit fly and the daily rate number of consumed preys was (8.82 and 10.93) per male and female during all the longevity period.

The total numbers of consumed preys for *H. caudata* were (197.17 and 230.81) adult white flies per male and female (1st instar), and (450.12 and 574.54) adult white flies per male and female (2nd instar). The total numbers of consumed jassids by the 3rd instar were (245.78 and 296.10) per male and female; while the 4th instar were (252.42 and 315.7) per male and female. The total number of consumed *Drosophila* sp. by the 5th instar was (251.81 and 306.01) per male and female. Also, the total number of consumed housefly by the 6th instar was (184.86 and 201.6) per male and female. But the 7th instar was fed on (200.22 and 219.43) adult of fruit fly per male and female. Male 8th instar consumed (75.71) of *Spodoptera littoralis*. The total number of *Spodoptera littoralis* consumed by the female spider was (107.32 and 98.85) per 8th and 9th instars.

The average total numbers of consumed various preys during life span by the spider were: 647.29, 245.79, 252.42, 251.81, 184.85, 200.14 and 75.71 per male and 805.35, 296.10, 315.7, 306.01, 201.6, 216.01, 107.32 and 98.85 per female for white fly, jassid, drosophila, housefly, fruit fly and cotton leaf worm respectively (Table 3).

Table 3: Food consumption of *Hersilia caudata* Savigny, 1825 (feeding on different preys, at room temperature 25-26°C and 60-70 R.H.)

Developmental stages	Different preys		Total average		Daily rate		Total average		Daily rate	
	Common name	Scientific name	Female				Male			
			Mean	S.d.	Mean	S.d.	Mean	S.d.	Mean	S.d.
1 st instar	White fly	<i>Bemisia</i> sp.	207.1	16.2	6.09	0.60	206.2	7.21	5.23	2.60
2 nd instar			568.1	18.1	15.40	2.30	450.4	20.6	12.11	5.37
3 rd instar	Jassid insect	<i>Empoasca</i> sp.	296.1	8.43	9.19	0.74	245.7	8.19	8.11	3.13
4 th instar			315.7	12.8	9.95	1.46	252.4	7.77	8.76	4.01
5 th instar	Drosophila	<i>Drosophila</i> sp.	306.0	11.3	10.42	1.20	251.8	7.30	8.88	3.62
6 th instar	House fly	<i>Musca domestica</i>	201.6	7.79	7.09	0.76	184.8	7.36	6.70	0.70
7 th instar	Fruit fly	<i>Ceratitis capitata</i>	219.3	5.79	7.66	0.23	200.2	8.19	7.35	3.05
8 th instar	Cotton leaf worm	<i>Spodoptera littoralis</i>	107.3	8.17	3.88	0.86	75.7	10.2	2.88	1.31
9 th instar			98.85	5.17	4.52	1.33	0.00	0.00	0.00	0.00

From the previous results, it can be noticed that *H. caudata*, which devoured various preys, is an efficient predator who can be used for controlling insect pests.

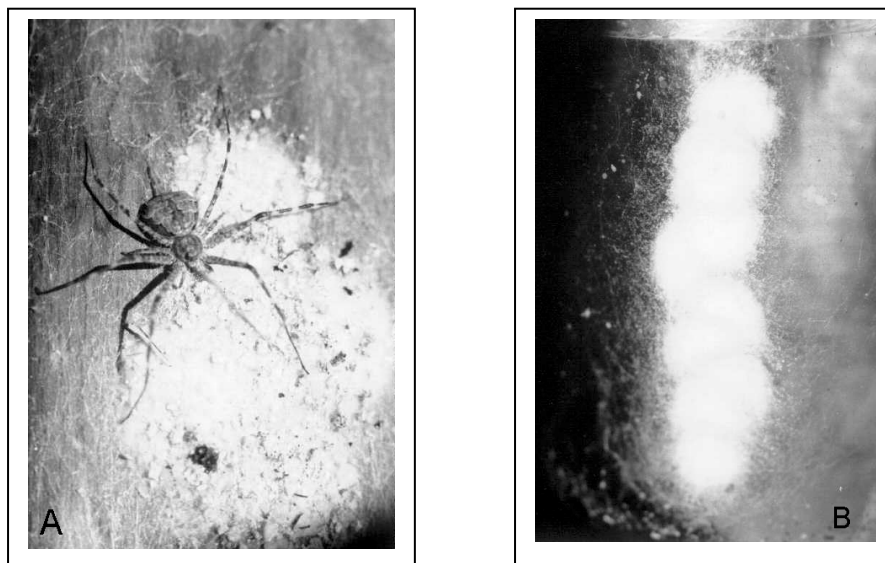


Fig. 1. Egg sacs of *Hersilia caudata* Savigny, 1825. A. Female with her egg sacs on wood surface. B. Series of egg sacs on glass surface. (Photographs by H.K.El-Hennawy)

Acknowledgments

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References

- Baehr, M.& Baehr, B. 1993. The Hersiliidae of the Oriental Region including New Guinea. Taxonomy, phylogeny, zoogeography (Arachnida, Araneae). *Spixiana* (Suppl.) 19: 1-96.
- El-Hennawy, H. K. 1990. Annotated checklist of Egyptian spider species (Arachnida : Araneae). *Serket* 1(4-5): 1-49.
- El-Hennawy, H. K. 1992. Distribution of Spider Genera in Egypt (Arachnida : Araneida). *Serket* 3(1): 1-32.
- El-Hennawy, H. K. 1999. Catalogue and Bibliography of Family Hersiliidae 1825-1998 (Arachnida: Araneida). *Serket* 6(2): 45-72.
- El-Hennawy, H. K. 2000. The first landmark in the route of Egyptian Arachnology: "Explication Sommaire des Planches d'Arachnides de l'Égypte et de la Syrie" (1825). *Serket* 6(4): 115-128.
- Foelix, R. F. 1982. Biology of spiders. Harvard University Press, London, England. 306 pp.
- Mohafez, M. A. 2000. Studies on true spiders in Sohag Governorate. M.Sc. Thesis, Fac. Agric. Al-Azhar Univ. (Cairo) 115 pp.
- Rahil, A. A. 1988. Ecological and biological studies on the spiders at Fayoum. M.Sc. Thesis, Faculty of Agriculture, Cairo University, 133pp.
- Sallam, G. M. 1996. Studies on true spiders in Giza Governorate. M.Sc. Thesis, Faculty of Agriculture, Cairo University, 139pp.

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Catalogue and Bibliography of Genus *Cheiracanthium* C. L. Koch, 1839 (Arachnida: Araneida: Miturgidae)

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Abstract

This work includes 185 spp. and 1 ssp. of genus *Cheiracanthium*, Family Miturgidae. *C. dubium* O.P.-Cambridge, 1874 is transferred to genus *Cheiramiona*. *C. anceps* O.P.-Cambridge, 1872 = *C. mildei* L. Koch, 1864, new syn. Ten species and one subspecies are synonymized and one species is considered as *nomen dubium* according to Lotz (1995). *C. siwi* is a new name of *C. tenue* Denis, 1947, a primary junior homonym of *C. tenue* L. Koch, 1873. Four unpublished new species, described by Lotz (1995), are included.

Introduction

In July 1997, the author visited the Hope Entomological Collection in Oxford University Museum of Natural History to examine the type material of genus *Cheiracanthium* from Egypt. It was necessary to him to prepare a catalogue of the species of this genus and the references dealing with them. Hence, this work was prepared as a grouping of the data included in the catalogues of Roewer, 1942, 1954; Brignoli, 1983; Platnick, 1989, 1993, 1997, using the same abbreviations used by their authors. After that, the work was revised and compared by the important and mostly updated "World Spider Catalog" of Platnick (2001), in which Family Miturgidae was last updated in April, 2001.

The addenda and corrigenda of this work can be summarized in the followings:

1. *C. dubium* O.P.-Cambridge, 1874 is transferred to genus *Cheiramiona* depending on drawings of the palpal organ of the holotype preserved in Oxford compared by the drawings of *Cheiramiona* species (Lotz, 1995) and the description of the genus by Lotz & Dippenaar-Schoeman (1999).
2. *C. anceps* O.P.-Cambridge, 1872 is synonymized = *C. mildei* L. Koch, 1864. (The holotype of *C. anceps* was examined in Oxford.)

3. In the Afrotropical region: ten species and one subspecies are synonymized and one species is considered as *nomen dubium* according to Lotz (1995).
4. *C. siwi* is a new name of *C. tenue* Denis, 1947, a primary junior homonym of *C. tenue* L. Koch, 1873.
5. Four unpublished new species from South Africa and Zimbabwe, described by Lotz (1995) are included.

This work includes 185 species and 1 subspecies.

Acknowledgments

I wish to express my sincere and grateful thanks to Mrs. Malgosia Atkinson and Mr. I. Lansbury (Oxford University Museum of Natural History) who helped me so much and kindly admitted for examination of specimens in the collection during my visit in 1997.

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Family **MITURGIDAE** Simon, 1885

Genus **Cheiracanthium** C. L. Koch, 1839

Cheiracanthium was transferred from the Clubionidae to Miturgidae by Ramírez, Bonaldo & Brescovit (1997: 45). It was considered a senior synonym of *Chiracanthops* Mello-Leitão, 1942 by Bonaldo & Brescovit (1992: 732). *Chiracanthium* is an unjustified emendation (Platnick, 1989). Brignoli (1983) used the commonest spelling '*Chiracanthium*' and considered '*Cheiracanthium*' a *lapsus calami*.

Transferred to other genera:

- C. akermani* Lawrence, 1942 -- to **Cheiramiona**.
- C. antarcticum* (Berland, 1931) -- to **Huara**, Family **Amphinectidae**.
- C. clavigerum* Simon, 1897 -- to **Cheiramiona**.
- C. dubium* O.P.-Cambridge, 1874 -- to **Cheiramiona**, new transfer.
- C. filipes* Simon, 1898 -- to **Cheiramiona**.
- C. hewitti* Lessert, 1921 -- to **Cheiramiona**.
- C. insulare* Marples, 1956 -- to **Kaitawa**, Family **Gnaphosidae**.
- C. mellissi* O.P.-Cambridge, 1873 -- to **Tecution**.
- C. nummosum* (Hogg, 1909) -- to **Orepukia**, Family **Agelenidae**.
- C. parvulum* Banks, 1898 -- to **Wulfila**, Family **Anyphaenidae**.
- C. planum* O.P.-Cambridge, 1873 -- to **Tecution**.
- C. ruwenzoricola* Strand, 1916 -- to **Cheiramiona**.
- C. silvicola* Lawrence, 1938 -- to **Cheiramiona**.
- C. simplicitarise* Simon, 1910 -- to **Cheiramiona**.
- C. sorenseni* Forster, 1955 -- to **Neororea**, Family **Amphinectidae**.
- C. tropicum* L. Koch, 1866 -- to **Eutichurus**.
- C. wenhami* Forster, 1955 -- to **Gohia**, Family **Desidae**.

In synonymy:

- C. anceps* O.P.-Cambridge, 1872 = *C. mildei* L. Koch, 1864, new synonym.

- C. andamanensis* (Tikader, 1977, T from *Clubiona*) = *C. turiae* Strand, 1916 (Deeleman-Reinhold, 2001: 199).
- C. bikakapenalcolum* Barrion & Litsinger, 1995 = *C. insulanum* (Thorell, 1878) (Deeleman-Reinhold, 2001: 228).
- C. brachyapophysis* (Caporiatto, 1955, T from *Radulphius*) = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. castum* Lawrence, 1927 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. circumcinctum* Schenkel, 1963 = *C. pennyi* O. P.-Cambridge, 1873 (Song, Yu & Shang, 1981: 88).
- C. diversum* L. Koch, 1873 = *C. mordax* L. Koch, 1866 (Dondale, 1966: 1178).
- C. ferum* O. P.-Cambridge, 1897 = *C. inclusum* (Hentz, 1847) (Exline, in Peck, 1975: 204).
- C. franganilloi* Caporiatto, 1949 = *C. africanum* Lessert, 1921 (Lotz, 1995: 13).
- C. frontalis* (Banks, 1909, T from *Eutichurus*) = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. gilvum* L. Koch, 1873 = *C. mordax* L. Koch, 1866 (Dondale, 1966: 1178).
- C. gratiosum* Saito, 1939 = *C. lascivum* Karsch, 1879 (Yaginuma, 1966d: 36).
- C. haplogyna* (Mello-Leitão, 1945, T from *Matidia*) = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. hoggi* Lessert, 1921 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. hugiscium* Barrion & Litsinger, 1995 = *C. insulanum* (Thorell, 1878) (Deeleman-Reinhold, 2001: 228).
- C. jokohamae* Strand, 1907 = *C. unicum* Bösenberg & Strand, 1906 (Yaginuma, 1977c: 401).
- C. kiwunum* Strand, 1915 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. lanipes* L. Koch, 1866 = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 732).
- C. lawrencei* Roewer, 1951 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. leitaoui* Roewer, 1951 = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. mandibularis* (Mello-Leitão, 1942) = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. melanostomellum* Roewer, 1951 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. melanostomellum caboverdense* Schmidt & Piepho, 1994 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. melloi* Roewer, 1951 = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. mohasicum* Strand, 1915 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. nairobii* Caporiatto, 1949 = *C. imbelles* Caporiatto, 1947 (Lotz, 1995: 24).
- C. natalense* Lessert, 1923 = *C. furculatum* Karsch, 1879 (Lotz, 1995: 18).
- C. nigropalpatum* Schmidt & Jocqué, 1983 = *C. africanum* Lessert, 1921 (Lotz, 1995: 13).
- C. payateum* Barrion & Litsinger, 1995 = *C. insulanum* (Thorell, 1878) (Deeleman-Reinhold, 2001: 228).
- C. popayanense* Strand, 1915 = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. ragazzii* Boeris, 1889 = *C. inclusum* (Hentz, 1847) (Bonald & Brescovit, 1992: 733).
- C. sadanai* Tikader, 1976 = *C. melanostomum* (Thorell, 1895) (Deeleman-Reinhold,

2001: 231, 254).

C. seminermis (Caporiacco, 1947, T from *Radulphius*) = *C. inclusum* (Hentz, 1847) (Bonaldo & Brescovit, 1992: 733).

C. subflavum (Blackwall, 1862) = *C. inclusum* (Hentz, 1847) (Dondale & Redner, 1982: 19).

C. tigbauanense Barrion & Litsinger, 1995 = *C. insulanum* (Thorell, 1878) (Deeleman-Reinhold, 2001: 228).

C. tingilium Barrion & Litsinger, 1995 = *C. insulanum* (Thorell, 1878) (Deeleman-Reinhold, 2001: 228).

Homonyms replaced:

C. tenue Denis, 1947 -- see *C. siwi*, **new name**.

C. vorax Marples, 1955 -- see *C. apia*.

Nomina dubia:

C. croceum Workman, 1900: 107, ♀, Singapore -- omitted by Roewer.

C. hottentottum Strand, 1907a: 543, D o; Strand, 1907d: 685, D o, South Africa – Lotz (1995).

C. suave Workman, 1900: 106, ♀, Singapore -- omitted by Roewer.

C. thorelli Workman, 1900: 108, ♂, Singapore -- omitted by Roewer.

Catalogue of Species

♂♀ **abbreviatum** Simon, 1878 France, Denmark

C. a. Simon, 1878: 262 (D ♀).

C. pelasgicum a. Simon, 1932: 904, 962 (D ♂♀).

♂♀ **abyssinicum** Strand, 1906 Ethiopia

C. a. Strand, 1906a: 633 (D ♂♀).

C. a. Strand, 1907d: 687 (D ♂).

C. a. Strand, 1908c: 35 (D ♂♀).

♂♀ **aculeatum** Simon, 1884 Sudan

C. a. Simon, 1884: 26, pl. 1, f. 5, 6 (D ♂♀).

♂♀ **adjacens** O.P.-Cambridge, 1885 Yarkand, Karakoram (West China)

C. a. O.P.-Cambridge, 1885: 24, pl. 2, f. 17 (D ♂♀).

C. adiacens Caporiacco, 1935: 219 (D ♂).

♂♀ **adjacensoides** Song, Chen & Hou, 1990 China

C. a. Song, Chen & Hou, 1990: 427, f. 1-4 (D ♂♀).

C. paradjacens Chen & Gao, 1990: 148, f. 186a-d (♂♀, *nomen nudum*).

C. a. Song, Zhu & Chen, 1999: 412, f. 241E-F, 243 C-D (♂♀).

♂ **affine** Kulczyński, 1901 Eritrea

C. a. Kulczyński, 1901: 48, pl. 2, f. 41, 43, 46 (D ♂).

♂♀ **africanum** Lessert, 1921 East Africa, Kenya, Tanzania, Congo, Natal, Swaziland (South Africa), Botswana, Zimbabwe, Namibia, Réunion

C. a. Lessert, 1921: 411, f. 41-44 (D ♂♀).

C. a. Lessert, 1929: 137, f. 19 (N ♂♀).

C. a. Lawrence, 1947: 32 (N ♀).

C. franganilloi Caporiacco, 1949: 438, f. 72 (D ♀).

C. nigropalpatum Schmidt & Jocqué, 1983: 357, f. 3 (D ♂).

C. a. Lotz, 1995: 13, f. 4a-h, 5 (D ♂♀).

♀ **agnosticum** Strand, 1906 Ethiopia

C. a. Strand, 1906a: 633 (D o♀).

C. a. Strand, 1908c: 38 (D o♀).

♂♀ **albidulum** (Blackwall, 1859) Madeira

Clubiona albidula Blackwall, 1859: 255 (D ♀).

C. fauveli Simon, 1897d: 112 (D ♂).

C. a. Kulczyński, 1899: 415, pl. 9, f. 108-110 (N ♂).

C. a. Denis, 1962: 42, f. 29-31 (♀).

C. a. Wunderlich, 1987: 242, f. 646-647 (♂♀)

♂♀ **angulitarse** Simon, 1878 Mediterranean, Europe

C. a. Simon, 1878: 252, pl. 16, f. 11 (D ♂♀).

C. a. Simon, 1932: 899, 901, 962 f. 1352, 1359 (D ♂♀).

C. a. Sterghiu, 1985: 105, f. 31a-b (♂♀).

C. a. Hansen, 1991: 13, f. 11 (♀).

♀ **annulipes** O.P.-Cambridge, 1872 Palestine, Egypt, Spain

C. a. O.P.-Cambridge, 1872: 254, pl. 16, f. 36 (D ♀).

♂ **apia** Platnick, 1997 Samoa

C. vorax Marples, 1955: 468, pl. 57 f. 17 (D ♂) (primary junior homonym of *C. vorax* O. P.-Cambridge, 1874).

C. a. Platnick, 1997: 702 (replacement name).

♀ **approximatum** O.P.-Cambridge, 1885 Yarkand (West China)

C. a. O.P.-Cambridge, 1885: 26, pl. 2, f. 18 (D ♀).

♀ **auenati** Caporiacco, 1936 Libyan Desert

C. a. Caporiacco, 1936: 118 f. 8 (D ♀).

♂ **bantaengi** Merian, 1911 Celebes Is. (Sulawesi, Indonesia)

C. b. Merian, 1911: 280 (D ♂).

♂♀ **barbarum** (Lucas, 1846) Algeria

Clubiona barbara Lucas, 1846: 210, pl. 12, f. 8 (D ♂♀).

Anyphaena barbara Simon, 1864: 145 (C).

C. b. Simon, 1878: 265.

♀ **bibundicum** Strand, 1908 Cameroon

C. b. Strand, 1908: 272 (D ♀).

♂♀ **brevicalcaratum** L.Koch, 1873 Western Australia, Lombok

C. b. L.Koch, 1873: 405, pl. 31, f. 6-7 (D ♂♀).

C. b. Deeleman-Reinhold, 2001: 231, f. 282-285 (♂♀).

♂♀ **brevidens** Kroneberg, 1875 Turkestan (Central Asia)

C. b. Kroneberg, 1875: 18, pl. 2, f. 6 (D ♂♀).

♂♀ **brevispinum** Song, Feng & Shang, 1982 China, Korea

C. brevispinus Song, Feng & Shang, 1982: 73, f. 1-5 (D ♂♀).

C. brevispinus Zhu et al., 1985: 158, f. 141a-d (♂♀).

C. brevispinus Song, 1987: 313, f. 267 (♂♀).

C. brevispinus Zhang, 1987: 191, f. 163.1-5 (♂♀).

C. brevispinus Feng, 1990: 168, f. 143.1-6 (♂♀).

C. b. Paik, 1990: 7, f. 14-25 (♂♀).

C. brevispinus Zhao, 1993: 316, f. 148a-b (♂♀).

C. b. Song, Zhu & Chen, 1999: 413, f. 241G-H, 243E-F (♂♀).

♀ **camerunense** Strand, 1906 Cameroon

C. c. Strand, 1906: 75 (D ♀).

♂♀ **campestre** Lohmander, 1944 Sweden, Poland

C. c. Lohmander, 1944: 18 (D ♂♀).

C. c. Tullgren, 1946: 40, pl. 7, f. 78-80 (D ♂♀).

C. c. Heimer & Nentwig, 1991: 398, f. 1037 (♂♀).

C. c. Próchniewicz, 1991: 175, f. 1-2, 4-5, 7-8, 10-11, 13-14 (♂).

♂♀ **canariense** Wunderlich, 1987 Canary Is.

C. c. Wunderlich, 1987: 243, f. 648-652 (D ♂♀).

♀ **catindigae** Barrion & Litsinger, 1995 Philippines

C. c. Barrion & Litsinger, 1995: 168, f. 96a-e (D ♀).

o♀ **caudatum** (Thorell, 1887) Burma (Myanmar)

Eutittha caudata Thorell, 1887: 58 (D ♀).

Eutittha c. Thorell, 1895: 44 (N o).

C. c. Simon, 1901: 67 (N).

♂ **conflexum** Simon, 1906 India

C. c. Simon, 1906: 297 (D ♂).

C. c. Majumder & Tikader, 1991: 81, f. 170-174 (♂).

o **consersum** (Thorell, 1891) Nicobar Is. (India)

Eutittha consersa Thorell, 1891: 27 (D o).

♀ **cretense** Roewer, 1928 Crete

C. c. Roewer, 1928: 116, pl. 1, f. 22 (D ♀).

♀ **crucigerum** Rainbow, 1920 Norfolk Is. (Australia)
C. c. Rainbow, 1920: 255, pl. 30, f. 73-74 (D ♀).

♀ **cuniculum** Herman, 1879 Hungary
C. c. Herman, 1879: 159, 357, pl. 7, f. 160 (D ♀).
C. c. Chyzer & Kulczyński, 1897: 236 (D ♀).

♂♀ **danieli** Tikader, 1975 India
C. d. Tikader, 1975: 43, f. 1-4 (D ♂♀).
C. denieli Majumder & Tikader, 1991: 69, f. 134-139 (♂♀).

♂♀ **daquilius** Barrion & Litsinger, 1995 Philippines, Indonesia
C. d. Barrion & Litsinger, 1995: 152, f. 84a-j (D ♂).
C. longipes Hayashi, 1996: 64, f. 2-6 (♂♀, misidentified).
C. d. Deeleman-Reinhold, 2001: 238, f. 296-300 (♂♀).

♂♀ **debile** Simon, 1890 Yemen
C. d. Simon, 1890: 111 (D ♂♀).

♂ **denisi** Caporiacco, 1939 Ethiopia
C. d. Caporiacco, 1939: 354, f. 16 (D ♂).

♀ **digitivorum** Dönitz & Strand, 1906 Japan
C. d. Dönitz & Strand, in Bösenberg & Strand, 1906: 387, pl. 7, f. 87 (D ♀).

♀ **dippenarae** Lotz, 1995 South Africa
C. d. Lotz, 1995: 16, f. 6a-d, 7 (D ♀)

♂♀ **effossum** Herman, 1879 Eastern Europe, Russia
C. e. Herman, 1879: 158, 356, pl. 7, f. 159 (D ♀).
C. e. Chyzer & Kulczyński, 1897: 234, pl. 9, f. 81 (♀, D ♂).
C. e. Wiehle, 1967a: 14, f. 60-62 (♂).
C. effossum Tyschchenko, 1971: 126, f. 301 (♂).
C. effossum Miller, 1971: 103, pl. XI, f. 27-28 (♂♀).
C. e. Sterghiu, 1985: 102, f. 29f-g (♂♀).
C. e. Heimer & Nentwig, 1991: 398, f. 1033 (♂♀).

♂♀ **elegans** Thorell, 1875 Europe to Central Asia
C. e. Thorell, 1875: 78 (D ♂).
C. e. Thorell, 1875: 88 (D ♂).
C. letochae L. Koch, 1876: 309 (D ♂)
C. letochae Simon, 1878: 249 (D ♂♀)
C. e. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 74 (D ♂♀).
C. e. Bösenberg, 1902: 281, pl. 26, f. 411 (D ♂♀).
C. e. Simon, 1932: 897, 962, f. 1350, 1356 (D ♂♀).
C. e. Reimoser, 1937: 74, f. 52-53 (D ♂♀).
C. e. Czajka, 1954: 169, f. 1 (♀).
C. e. Beer, 1964: 529, f. 15 (♀).
C. e. Sterghiu, 1985: 103, f. 30a-f (♂♀).

- C. e.* Urones, 1988: 143, f. 2a-c (♂♀).
C. e. Heimer & Nentwig, 1991: 398, f. 1034 (♂♀).
C. e. Jonsson, 1995: 55, f. 1-2 (♀).
C. e. Pesarini, 1997: 256, f. 3 (♂).

♂♀ **equestre** O.P.-Cambridge, 1874 Egypt, Fezzan (Libya)
C. e. O.P.-Cambridge, 1874: 404, pl. 52, f. 29 (D ♂♀).

♂♀ **erraticum** (Walckenaer, 1802) Palearctic
Aranea erratica Walckenaer, 1802: 219 (D) (preoccupied by *Aranea erratica* Olivier, 1789, but that species long ago assigned to *Pardosa* and this name now well protected by usage).

- Clubiona erratica* Walckenaer, 1805: 43 (C).
Clubiona nutrix Latreille, 1806: 92 (D) (preoccupied by Walckenaer, 1805).
Clubiona nutrix Hahn, 1831: 7, f. 98 (♂♀, misidentified).
Clubiona dumetorum Hahn, 1833: 1, pl. 24, f. B (D ♀).
Clubiona nutrix Hahn, 1834, Die Arachniden 2 p. 7 TF. 98 (D ♂♀).
Bolyphantes equestris C. L. Koch, 1837: 9 (D).
Clubiona erratica Walckenaer, 1837: 602 (D ♂).
C. carnifex C.L.Koch, 1839: 14, f. 438-439 (D ♂♀).
Clubiona nutrix Blackwall, 1861: 134, pl. 8, f. 85 (♀).
Clubiona erratica Blackwall, 1861: 135, pl. 8, f. 86 (D ♂♀).
C. e. Westring, 1861: 380 (♂♀).
Anyphaena erratica Simon, 1864: 145 (C).
C. carnifex L.Koch, 1866: 258, pl. 10, f. 164-166 (D ♂♀).
C. carnifex Ohlert, 1867: 102 (D ♂♀).
C. carnifex Thorell, 1870: 209 (N).
C. carnifex O.P.-Cambridge, 1873a: 529, pl. 46, f. 3 (D ♂♀).
C. erroneum O.P.-Cambridge, 1873a: 532, pl. 46, f. 5 (D ♂).
C. e. Menge 1873: 348, pl. 61, f. 198 (D ♂♀).
C. erroneum Simon, 1878: 253 (D ♂♀).
C. e. Simon, 1878: 254 (D ♂♀).
C. carnifex Hansen, 1882: 54, pl. 4, f. 2 (D ♂♀).
C. carnifex Dahl, 1883: 55 (D ♂♀).
C. orientale Kulczyński, 1885: 45, pl. 11, f. 25 (D ♂♀).
C. erroneum Becker, 1896: 286, pl. 17, f. 26 (D ♂♀).
C. e. Becker, 1896: 287, pl. 17, f. 5 (D ♂♀).
C. e. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 65 (D ♂♀).
C. carnifex Bösenberg, 1902: 282, pl. 26, f. 414 (D ♂♀).
C. e. Lessert, 1910: 413 (D ♂♀).
C. e. Dahl, 1912: 585 (D ♂♀).
C. e. Reimoser, 1932: 62, f. 8 (N ♂♀).
C. e. Simon, 1932: 902, 961, f. 1364-1365 (D ♂♀).
C. e. Reimoser, 1937: 73, f. 48-49 (D ♂♀).
C. e. Palmgren, 1943: 60, f. (N).
C. e. Tullgren, 1946: 37, f. 11A, pl. 6, f. 69-71 (D ♂♀).
C. e. Locket & Millidge, 1951: 144, f. 74A, D (D ♂♀).
C. dumetorum Roewer, 1954 2a: 478 (N. Hahn, 1833).

- C. e.* Clark & Locket, 1964: 1, f. F (♀).
C. e. Locket, 1964: 259, f. 1D (♀).
C. e. Braendegaard, 1966: 189, f. 160-161 (♂♀).
C. e. Yaginuma, 1966a: 38, f. E, E' (♂♀).
C. e. Yaginuma, 1967: 95, f. 2l-m (♀).
C. e. Wiehle, 1967b: 189, f. 25 (♀).
C. e. Wiehle, 1967c: 200, f. 20 (♀).
C. e. Azheganova, 1968: 126, f. 304-305 (♂♀).
C. e. Miller, 1971: 104, pl. XI, f. 29, pl. XXVII, f. 26 (♂♀).
C. e. Tyschchenko, 1971: 127, f. 303 (♂).
C. e. Clark & Jerrard, 1972: 110, f. 2 (♂).
C. e. Locket, Millidge & Merrett, 1974: 15, f. 7G (♀).
C. e. Legotai & Sekerskaya, 1982: 50, f. III.12, 17 (♂♀).
C. e. Roberts, 1985: 88, f. 34a (♂♀).
C. e. Sterghiu, 1985: 114, f. 34a-e (♂♀).
C. e. Yaginuma, 1986: 178, f. 98.5 (♂♀).
C. e. Legotai & Sekerskaya, 1989: 223, f. LXIX.12, 17 (♂♀).
C. e. Chikuni, 1989: 123, f. 5 (♂♀).
C. e. Izmailova, 1989: 111, f. 98 (♀).
C. c. Wolf, 1991: 233, f. 1A, 6A-B, 8A-C, 9A-B, E-F (♂♀).
C. e. Heimer & Nentwig, 1991: 396, f. 1030 (♂♀).
C. e. Zhang, 1994: 133, f. 4-5 (♀).
C. e. Almquist, 1994: 116, f. 20-22 (♂♀).
C. e. Roberts, 1995: 133, f. (♂♀).
C. e. Jäger, 1996: 565, f. 8c-d (♀; N.B.: includes sketches of possible new species).
C. e. Mcheidze, 1997: 171, f. 319-320 (♂♀).
C. e. Bellmann, 1997: 178, f. (♀).
C. e. Roberts, 1998: 142, f. (♂♀).
C. e. Song, Zhu & Chen, 1999: 413, f. 241I-J (♀).

♀ **escalerai** Simon, 1903 (Spanish) Equatorial Guinea
C. e. Simon, 1903: 103 (D ♀).

♂♀ **eutittha** Bösenberg & Strand, 1906 Japan
C. e. Bösenberg & Strand, 1906: 289, pl. 16, f. 496 (D ♀).
C. e. Uyemura, 1937: 60, unnumbered f. (♀).
C. e. Yaginuma, 1960: 112, f. 91.3 (♀).
C. e. Yaginuma, 1966a: 38, f. A, A' (♂♀).
C. e. Yaginuma, 1971: 112, f. 91.3 (♀).
C. e. Yaginuma, 1986: 177, f. 98.4 (♂♀).
C. e. Chikuni, 1989: 123, f. 3 (♂♀).

♀ **excavatum** Rainbow, 1920 Norfolk Is. (Australia)
C. e. Rainbow, 1920: 256, pl. 30, f. 75-78 (D ♀).

♀ **exilipes** (Lucas, 1846) Algeria
Clubiona e. Lucas, 1846: 209, pl. 12, f. 5 (D ♀).
Anyphaena e. Simon, 1864: 139 (C).
C. e. Simon, 1878: 265.

♂♀ **exquestitum** Zhang & Zhu, 1993 China

C. e. Zhang & Zhu, 1993b: 5, f. 1-2 (D ♀; N.B.: this spelling in heading only).

C. e. Zhang & Yin, 1999: 287, f. 8-11 (♀, D ♂).

C. exquistitum Song, Zhu & Chen, 1999: 413, f. 241K-L, 243G-H (♂♀).

♂ **festae** Pavesi, 1895 Palestine

C. f. Pavesi, 1895: 5 (D ♂).

♂♀ **fibrosum** Zhang, Hu & Zhu, 1994 China

C. f. Zhang, Hu & Zhu, 1994: 8, f. 1-2 (D ♀).

C. f. Zhang & Yin, 1999: 288, f. 12-15 (&, D ♂).

C. f. Song, Zhu & Chen, 1999: 413, f. 241M-N, 243I-J (♂♀).

♀ **fujianense** Gong, 1983 China

C. fujianensis Gong, 1983: 61, f. 1-8 (D ♀).

C. fujianensis Song, 1987: 314, f. 268 (♀).

C. f. Song, Zhu & Chen, 1999: 413, f. 241O-P (♀).

♂♀ **fulvotestaceum** Simon, 1878 South France

C. f. Simon, 1878: 259 (D ♂♀).

C. f. Simon, 1932: 899, 962, f. 1354-1355 (D ♂♀).

♂♀ **furax** L. Koch, 1873 Samoa

C. f. L. Koch, 1873: 400, pl. 31, f. 3 (D ♂♀).

C. f. Berland, 1929: 67, f. 63-64 (D ♂♀).

♂♀ **furculatum** Karsch, 1879 West Africa, Cape Verde Is., Kiwu Lake (Congo),

East Africa, Ethiopia, Tanzania, Angola, Equatorial Guinea, Rwanda, Mozambique, Kalahari (Botswana), Natal (South Africa), Namibia

C. f. Karsch, 1879: 342 (D ♂).

C. melanostoma Simon, 1910: 346, f. 5 (D ♂♀) (preoccupied by Thorell, 1895; renamed as *C. melanostomellum* by Roewer, 1951).

C. kiwunum Strand, 1915: 83 (D ♂).

C. mohasicum Strand, 1915: 85 (D ♀).

C. hoggi Lessert, 1921: 409, f. 39-40 (D ♂).

C. natalense Lessert, 1923: 186, f. 34-35 (D ♂).

C. inornatum Lawrence, 1927: 43, pl. 2, f. 31-32, pl. 3, f. 69 (D ♂♀) (preoccupied by O.P.-Cambridge, 1874; renamed as *C. lawrencei* by Roewer, 1951).

C. castum Lawrence, 1927: 44, pl. 3, f. 70 (D ♂).

C. inornatum Lawrence, 1936: 155 (N ♀).

C. melanostomellum Roewer, 1951: 444 (replacement name).

C. lawrencei Roewer, 1951: 447 (replacement name).

C. melanostomellum caboverdense Schmidt & Piepho, in Schmidt, Geisthardt & Piepho, 1994: 107, f. 20 (D ♂).

C. f. Schmidt & Krause, 1995: 366, f. 11 (D ♀).

C. f. Lotz, 1995: 18, f. 8a-h, 9 (D ♂♀).

♂ **geniculosum** Simon, 1885 Senegal-Gambia

C. g. Simon, 1885: 380 (D ♂).

♂ **gobi** Schmidt & Barensteiner, 2000 China
C. g. Schmidt & Barensteiner, 2000: 44, f. 4 (D ♂).

♂♀ **gracile** L. Koch, 1873 Queensland, New South Wales (Australia)
C. g. L. Koch, 1873: 402, pl. 31, f. 4 (D ♂).
C. g. Simon, 1897: 79, f. 80 (N ♂).
C. g. Dondale, 1966: 1176, f. 6A-E (♂, D ♀).

♂♀ **gracilipes** (Thorell, 1895) Burma (Myanmar)
Eutittha g. Thorell, 1895: 47 (D ♂♀).

♂♀ **gratum** Kulczyński, 1897 Germany, Hungary
C. g. Kulczyński, in Chyzer & Kulczyński, 1897: 236, pl. 9, f. 53, 73 (D ♂).
C. g. Merckens & Wunderlich, 2000: 42, f. 1-9 (removed ♂ from synonymy of *C. angulitarse*, contra Simon, 1932, D ♀).

♀ **gyirongense** Hu & Li, 1987 China
C. gyirongensis Hu & Li, 1987: 306, f. 34.1-2 (D ♀).
C. g. Song, Zhu & Chen, 1999: 413, f. 241Q-R (♀).

♂♀ **halophilum** Schmidt & Piepho, 1994 Cape Verde Is.
C. h. Schmidt & Piepho, in Schmidt, Geisthardt & Piepho, 1994: 105, f. 17-19 (D ♂♀).

♂♀ **himalayense** Gravely, 1931 North India
C. himalayensis Gravely, 1931: 264, f. 17E-F (D ♂♀).
C. himalayensis Majumder & Tikader, 1991: 65, f. 123-128 (♂♀).

♀ **hypocyrtum** Zhang & Zhu, 1993 China
C. h. Zhang & Zhu, 1993b: 5, f. 3-4 (D ♀).
C. h. Song, Zhu & Chen, 1999: 413, f. 241S-T (♀).

♀ **ienisteai** Sterghiu, 1985 Romania
C. i. Sterghiu, 1985: 125, f. 37d-e (D ♀).

♀ **imbelle** Caporiacco, 1947 Kenya, Tanzania, Botswana, Zimbabwe
C. i. Caporiacco, 1947b: 195, pl. 2, f. 42 (D ♀).
C. nairobi Caporiacco, 1949: 435, f. 69 (D ♀).
C. i. Lotz, 1995: 24, f. 7, 10a-d (D ♀).

♂ **impressum** Thorell, 1881 Queensland (Australia)
C. i. Thorell, 1881: 219 (D ♂).

♀ **incertum** O.P.-Cambridge, 1869 Ceylon (Sri Lanka)
C. i. O.P.-Cambridge, 1869: 375, pl. 11, f. 9 (D ♀).

♂♀ **inclusum** (Hentz, 1847) New World

- Clubiona inclusa* Hentz, 1847: 451, pl. 23, f. 18 (D ♀).
Clubiona subflava Blackwall, 1862: 426 (D ♀).
C. lanipes L. Koch, 1866: 241 (D o).
C. edentulum L. Koch, 1866: 247, pl. 10, f. 157 (D ♀).
Clubiona melanostoma Holmberg, 1876: 134 (11) f. 12 (D ♀).
C. keyserlingi Becker, 1878: 79, pl. 2, f. 11-14 (D ♂).
C. subflavum Bertkau, 1880: 46, pl. 1, f. 13 (D ♀).
C. ragazzii Boeris, 1889: 127 (D ♂).
C. viride Emerton, 1889: 184, pl. 5, f. 12 (D ♂♀).
C. subflavum Keyserling, 1891: 37, pl. 1, f. 15 (D ♂).
C. ferum O.P.-Cambridge, 1897: 228, pl. 29, f. 8 (D ♂).
C. debile O.P.-Cambridge, 1897: 229, pl. 29, f. 7 (D ♀).
C. i. Simon, 1897: 79, f. 82 (N ♂).
C. i. Simon, 1897: 878 (D ♂♀).
C. candidum Mello-Leitão, 1901: 174, pl. 10, f. 95; f. 64 (D ♂).
Eutichurus frontalis Banks, 1909a: 201, pl. 6, f. 49 (D ♀).
C. i. Comstock, 1912: 569, f. 648-650 (N).
C. popayanense Strand, 1915: 127 (D ♀).
C. gracilipes Mello-Leitão, 1917: 97, f. 13 (D ♀) (preoccupied by Thorell, 1895).
C. i. Petrunkevitch, 1930: 53, f. 46-48 (N ♂♀).
C. ferum Chickering, 1937: 8, pl. 1, f. 6 (N).
C. ferum Bryant, 1940: 418 (D ♂).
C. i. Comstock, 1940: 583, f. 648-649 (♂♀).
C. candidum Mello-Leitão, 1941: 174, f. 64, pl. X, f. 45 (D ♀, preoccupied by Simon, 1878).
Chiracanthops mandibularis Mello-Leitão, 1942: 416, f. 40 (D ♀).
Matidia haplogyna Mello-Leitão, 1945: 261, f. 46 (D ♀).
Radulphius seminermis Caporiacco, 1947a: 26 (D ♀).
Radulphius seminermis Caporiacco, 1948: 672, f. 87 (♀).
Chiracanthops mandibularis Soares & Camargo, 1948: 388, f. 47-49 (♀).
C. i. Kaston, 1948: 369, pl. 69, f. 1297-1300 (D ♂♀).
C. leitaoi Roewer, 1951: 444 (replacement name for *C. gracilipes*).
C. melloi Roewer, 1951: 444 (replacement name for *C. candidum*).
C. i. Gering, 1953: 35, f. 57-60 (♂♀).
Radulphius seminermis Caporiacco, 1955: 364, f. 40a-c (D ♂).
Radulphius brachyapophysis Caporiacco, 1955: 365, f. 41a-b (D ♂).
C. i. Edwards, 1958: 368, f. 10-13, 17, 202 (♂♀).
C. i. Kaston, 1963: 36, f. 23 (♂).
C. i. Peck & Whitcomb, 1970: 7, f. 1-3, 13 (♂♀).
C. i. Peck, 1975: 204 (S).
C. i. Kaston, 1977: 46, f. 44 (♀).
C. i. Dondale & Redner, 1982: 19, f. 14-17 (♂♀, S).
C. i. Bonaldo & Brescovit, 1992: 732, f. 1-4 (♂♀, S).
C. i. Breene et al., 1993: 85, f. 98A-C (♂♀).
C. i. Wegner, 1994: 039171, f. 4-5 (♂♀).
- o **incomptum** (Thorell, 1891) Nicobar Is. (India)
Eutittha i. Thorell, 1891: 29 (D o).

♂ **indicum** O.P.-Cambridge, 1874 Deccan (India), Ceylon (Sri Lanka)
C. i. O.P.-Cambridge, 1874: 411, pl. 52, f. 34 (D ♂).
C. i. Gravely, 1931: 265, f. 17G (N ♂).
C. i. Majumder & Tikader, 1991: 58, f. 109-112 (♂).

♂♀ **inornatum** O.P.-Cambridge, 1874 India
C. i. O.P.-Cambridge, 1874: 406, pl. 52, f. 30 (D ♂♀).
C. i. Majumder & Tikader, 1991: 83, f. 175-180 (♂♀).

♂♀ **insigne** O. P.-Cambridge, 1874 India, Sri Lanka, China
C. i. O.P.-Cambridge, 1874: 408, pl. 52, f. 32 (D ♂♀).
C. i. Gravely, 1931: 266, f. 17L-M (N ♂♀).
C. i. Tikader & Biswas, 1981: 70, f. 122 (♂).
C. i. Chen & Zhang, 1991: 252, f. 264.1-4 (♂).
C. i. Majumder & Tikader, 1991: 60, f. 113-116 (♂).
C. i. Song, Zhu & Chen, 1999: 413, f. 243K-L (♂).

♂♀ **insulanum** (Thorell, 1878) Amboina Is. (Ambon, Indonesia), Myanmar to Moluccas, Philippines
Eutittha insulana Thorell, 1878: 179 (D ♀).
C. payateus Barrion & Litsinger, 1995: 156, f. 87a-h (D ♂).
C. tigbauanensis Barrion & Litsinger, 1995: 161, f. 91a-f, 92a-d (D ♂♀).
C. tingilium Barrion & Litsinger, 1995: 164, f. 93a-e (D ♀).
C. bikakapenalcolum Barrion & Litsinger, 1995: 165, f. 94a-e (D ♀).
C. hugiscium Barrion & Litsinger, 1995: 167, f. 95a-e (D ♀).
C. i. Deeleman-Reinhold, 2001: 228, f. 272-279 (♀, S ♂).

♀ **insulare** L. Koch, 1866 Samoa
C. i. L. Koch, 1866: 268, pl. 11, f. 172 (D ♀).
C. i. L. Koch, 1873: 412 (D ♀).

♂♀ **isiacum** O.P.-Cambridge, 1874 Egypt, Libya
C. i. O.P.-Cambridge, 1874: 407, pl. 52, f. 31 (D ♂♀).

♂ **itakeum** Barrion & Litsinger, 1995 Philippines
C. itakeus Barrion & Litsinger, 1995: 156, f. 88a-g (D ♂).

♀ **jabalpurensis** Majumder & Tikader, 1991 India
C. jabalpurensis Majumder & Tikader, 1991: 86, f. 186-190 (D ♀).

♂♀ **japonicum** Bösenberg & Strand, 1906 China, Korea, Japan
C. j. Bösenberg & Strand, 1906: 288, pl. 16, f. 503 (D ♂♀).
C. j. Uyemura, 1937: 60, unnumbered f. (♀).
C. j. Saito, 1959: 141, f. 183a-d (♂♀).
C. j. Yaginuma, 1960: 111, f. 91.1, 4 (♂♀).
C. j. Yaginuma, 1966a: 38, f. D, D' (♂♀).
C. j. Yaginuma, 1971: 111, f. 91.1, 4 (♂♀).
C. j. Hu, 1979: 67, f. 8A-D (♂).
C. j. Hu, 1984: 298, f. 316 (♂).

- C. j.* Guo, 1985: 146, f. 2-78.1-3 (♂♀).
C. j. Yaginuma, 1986: 177, f. 98.1 (♂♀).
C. j. Song, 1987: 315, f. 269 (♀).
C. j. Yoshikura, 1987: 151, f. 20.6A-B, 20.14 (♂♀).
C. j. Zhang, 1987: 192, f. 164.1-2 (♂♀).
C. j. Chikuni, 1989: 122, f. 1 (♂♀).
C. j. Hu & Wu, 1989: 303, f. 241.1-2 (♀).
C. j. Paik, 1990: 5, f. 1-13 (♂♀).
C. j. Chen & Gao, 1990: 147, f. 185a-c (♂♀).
C. j. Shinkai, Yoshida & Ito, 1991: 40, f. 1-2 (♂♀).
C. j. Zhao, 1993: 317, f. 149a-c (♂♀).
C. j. Song, Zhu & Chen, 1999: 413, f. 241U-V (♀).

♀ **joculare** Simon, 1910 Principe Is. (West Africa), Namibia
C. i. Simon, 1910b: 349, f. 7 (D ♀).

♀ **jovium** Denis, 1947 Siwa Oasis (Egypt)
C. j. Denis, 1947: 65, pl. IV, f. 6 (D ♀).

♀ **kashmirensis** Majumder & Tikader, 1991 India
C. kashmirensis Majumder & Tikader, 1991: 67, f. 129-133 (D ♀).

♂ **kibonotense** Lessert, 1921 East Africa
C. k. Lessert, 1921: 415, f. 48-50 (D ♂).
C. k. Caporiacco, 1947b: 194 (N ♂).

♂♀ **klabati** Merian, 1911 Celebes Is. (Sulawesi, Indonesia)
C. k. Merian, 1911: 282, f. F1, G1 (D ♂♀).

♀ **kompiricola** Dönitz & Strand, 1906 Japan
C. k. Dönitz & Strand, in Bösenberg & Strand, 1906: 387, pl. 7, f. 87 (D ♀).

♀ **lanceolatum** Chrysanthus, 1967 New Guinea
C. l. Chrysanthus, 1967: 407, f. 6-8 (D ♀).

♂♀ **lascivum** Karsch, 1879 China, Korea, Japan, Russia
C. l. Karsch, 1879: 91 (D ♂♀).
C. l. Bösenberg & Strand, 1906: 287, pl. 16, f. 502 (D ♂).
C. l. Saito, 1934a: 329, f. 4 (N ♂).
C. l. Saito, 1934b: 291, pl. 14, f. 48 (N ♀).
C. gratiosum Saito, 1939: 28, f. 4(1), pl. 1, f. 21 (D ♀).
C. gratiosum Saito, 1959: 141, f. 182a-c (♀).
C. l. Saito, 1959: 141, f. 184a-f (♂♀).
C. gratiosum Yaginuma, 1960: 112, f. 91.2 (♀).
C. l. Yaginuma, 1966a: 38, f. B, B' (♂♀).
C. l. Yaginuma, 1966b: 36 (S).
C. l. Yaginuma, 1967: 88, f. 1g-h (♂♀).
C. l. Yaginuma, 1971: 112, f. 91.2 (♀).

C. l. Paik & Namkung, 1979: 83, f. 72.1-2 (♂♀).

C. l. Hu, 1984: 298, f. 305.2 (♀).

C. l. Yaginuma, 1986: 177, f. 98.2 (♂♀).

C. l. Chikuni, 1989: 122, f. 2 (♂♀).

♂ **leucophaeum** Simon, 1896 Madagascar

C. l. Simon, 1896: 502 (D ♂).

♂♀ **ligawsolanum** Barrion & Litsinger, 1995 Philippines

C. l. Barrion & Litsinger, 1995: 159, f. 89a-e, 90a-f (D ♂♀).

♂♀ **liplikeum** Barrion & Litsinger, 1995 Philippines

C. l. Barrion & Litsinger, 1995: 154, f. 85a-d, 86a-e (D ♂♀).

♀ **liuyangense** Xie et al., 1996 China

C. liuyangensis Xie et al., 1996: 97, f. 1-4 (D ♀).

C. liuyangensis Song, Zhu & Chen, 1999: 413, f. 241W-X (♀).

♂ **lompobattangi** Merian, 1911 Celebes Is. (Sulawesi, Indonesia)

C. l. Merian, 1911: 281, f. D1, E1 (D ♂).

♂♀ **longimanum** L. Koch, 1873 Queensland (Australia), Tonga Is.,

Fiji Is., New Hebrides (Vanuatu), New Caledonia

C. l. L. Korh, 1873: 398, pl. 31, f. 1-2 (D ♂♀).

♀ **longipes** (Thorell, 1890) Sumatra Is., Krakatau Is. (Indonesia)

Eutittha l. Thorell, 1890: 372 (D ♀).

♀ **longtailen** Xu, 1993 China

C. l. Xu, 1993: 27, f. A-B (D ♀).

C. l. Song, Zhu & Chen, 1999: 413, f. 242A-B (♀).

♂ **ludovici** Lessert, 1921 East Africa

C. l. Lessert, 1921: 413, f. 45-47 (D ♂).

♀ **macedonicum** Drensky, 1921 Macedonia (Balkans)

C. macedonica Drensky, 1921: 49, 77, pl. 1, f. 12-14 (D ♀).

♂♀ **mangiferae** Workman, 1896 Singapore, Sumatra Is. (Indonesia)

C. m. Workman, 1896: 80, pl. 80 (D ♂♀).

♀ **margaritae** Sterghiu, 1985 Romania

C. m. Sterghiu, 1985: 123, f. 37a-c (D ♀).

♂♀ **marplei** Chrysanthus, 1967 New Guinea

C. m. Chrysanthus, 1967: 403, f. 1-3, 9-10 (D ♂♀).

♂♀ **mauense** Caporiacco, 1949 Kenya

C. m. Caporiacco, 1949: 433, f. 68a-b (D ♂♀).

♂♀ **melanostomum** (Thorell, 1895) Burma (Myanmar), India, Bangladesh
Eutittha melanostoma Thorell, 1895: 44 (D ♂♀).

C. m. Simon, 1901: 67 (C).

C. m. Gravely, 1931: 261, f. 17C-D (N ♂♀).

C. sadanai Tikader, 1976: 175, f. 1-4 (D ♂♀).

C. melanostoma Tikader & Biswas, 1981: 71, f. 123-124 (♀).

C. melanostoma Majumder & Tikader, 1991: 62, f. 117-112 (♂♀).

C. sadanai Majumder & Tikader, 1991: 90, f. 197-202 (♂♀).

C. m. Okuma et al., 1993: 57, f. 51A (♂).

C. m. Deeleman-Reinhold, 2001: 231, 254, f. 280-281 (♀, S).

♂♀ **mellitum** Simon, 1910 Guinea-Bissau

C. m. Simon, 1910: 348, f. 6 (D ♂♀).

♂ **mertoni** Strand, 1911 Aru Is. (Indonesia)

C. m. Strand, 1911: 163, pl. 5, f. 62 (D ♂).

♂ **micheli** Simon, 1901 Ethiopia

C. m. Simon, 1901: 23 (D ♂).

♂♀ **mildei** L. Koch, 1864 Holarctic, Argentina

C. m. L. Koch, 1864: 144 (D ♂♀).

C. m. L. Koch, 1866: 253, pl. 10, f. 161-163 (D ♂♀).

C. anceps O.P.-Cambridge, 1872: 255, pl. 16, f. 37 (D ♀).

C. m. Simon, 1878: 244 (D ♂♀).

C. m. Chyzer & Kulczyński, 1897: 237, pl. 9, f. 69, 80 (D ♂♀).

C. m. Simon, 1897: 74, f. 81 (N ♂).

C. m. Kulczyński, 1901: 46, pl. 2, f. 38 (N ♂).

C. m. Lessert, 1910: 417 (D ♂♀).

C. m. Simon, 1932: 897, 960, f. 1347-1348 (D ♂♀).

C. m. Bryant, 1952: 120, f. 1-3 (♂♀).

C. m. Edwards, 1958: 371, f. 7-9, 14, 16, 203 (♂♀).

C. m. Tyschchenko, 1971: 127, f. 305 (♀).

C. m. Kaston, 1977: 47, f. 42-43 (♂♀).

C. m. Dondale & Redner, 1982: 21, f. 8, 18-21 (♂♀).

C. m. Sterghiu, 1985: 100, f. 29a-e (♂♀).

C. m. Barrientos & Urones, 1985: 351, f. 1b-c (♀).

C. m. Heimer & Nentwig, 1991: 396, f. 1032 (♂♀).

C. m. Wegner, 1994: 039171, f. 4-5 (♂♀).

C. m. Mcheidze, 1997: 170, f. 317-318 (♀).

♂ **minahassae** Merian, 1911 Celebes Is. (Sulawesi, Indonesia)

C. m. Merian, 1911: 281 (D ♂).

♂♀ **minshullae** Lotz, 1995 Zimbabwe

C. m. Lotz, 1995: 26, f. 7, 11a-h (D ♂♀)

♂♀ **molle** L. Koch, 1875 Ethiopia

C. m. L. Koch, 1875: 53, pl. 5, f. 7 (D ♂♀).

C. m. Kulczyński, 1901: 45, pl. 2, f. 39-40, 45 (N ♂).

♀ **mondrainese** Main, 1954 Western Australia

C. mondraensis Main, 1954: 46, unnumbered fig. (D ♀).

♂ **mongolicum** Schenkel, 1963 Mongolia

C. m. Schenkel, 1963: 254, f. 143a-b (D ♂).

♂♀ **montanum** L. Koch, 1877 Palearctic

C. m. L. Koch, 1877: 189, f. 17-18 (D ♂♀).

C. m. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 68 (D ♂♀).

C. m. Lessert, 1910: 414 (D ♂♀).

C. m. Reimoser, 1937: 74, f. 50-51 (D ♂♀).

C. m. Tyschchenko, 1971: 127, f. 306 (♂).

C. m. Izmailova, 1978: 11, f. e (♀).

C. m. Sterghiu, 1985: 116, f. 35a-d (♂♀).

C. m. Izmailova, 1989: 112, f. 99 (♀).

C. m. Heimer & Nentwig, 1991: 396, f. 1031 (♂♀).

C. m. Pesarini, 1997: 257, f. 4 (♂).

C. m. Roberts, 1998: 142, f. (♂♀).

♂♀ **mordax** L. Koch, 1866 Australia to Samoa, New Hebrides (Vanuatu), Fiji Is., Tonga Is., Solomon Is.

C. m. L. Koch, 1866: 262, pl. 11, f. 167 (D ♂).

C. m. L. Koch, 1873: 403, pl. 31, f. 5 (D ♂).

C. diversum L. Koch, 1873: 396, pl. 32, f. 2 (D ♂).

C. gilvum L. Koch, 1873: 419, pl. 32, f. 5-6 (D ♂♀).

C. diversum Marples, 1959: 364, f. 1 (D ♀).

C. m. Main, 1964: 76, f. A-F (♂).

C. m. Dondale, 1966: 1178, f. 6F-J (♂, S ♀).

♂♀ **murinum** (Thorell, 1895) Burma (Myanmar)

Eutittha murina Thorell, 1895: 50 (D ♀).

C. murina Gravely, 1931: 263, f. 17A-B (♀, D ♂).

C. murina Majumder & Tikader, 1991: 72, f. 146-150 (♀).

♀ **mysorensis** Majumder & Tikader, 1991 India

C. mysorensis Majumder & Tikader, 1991: 79, f. 165-169 (D ♀).

♂♀ **nalsaroverense** Patel & Patel, 1973 India

C. nalsaroverensis Patel & Patel, 1973: 4, f. 2a-d (D ♂♀).

C. nalsaroverensis Majumder & Tikader, 1991: 91, f. 203-205 (♂♀).

♀ **nervosum** Simon, 1909 Western Australia

C. n. Simon, 1909: 161 (D ♀).

♂ **ningmingense** Zhang & Yin, 1999 China
C. ningmingensis Zhang & Yin, 1999: 285, f. 1-3 (D ♂).
C. ningmingensis Song, Zhu & Chen, 1999: 413, f. 243M-N (♂).

♀ **occidentale** L. Koch, 1882 Balearic Is. (Spain)
C. o. L. Koch, 1882: 637, pl. 20, f. 16 (D ♀).

♀ **olliforme** Zhang & Zhu, 1993 China
C. o. Zhang & Zhu, 1993a: 76, f. 1-2 (D ♀).
C. o. Song, Zhu & Chen, 1999: 413, f. 242C-D (♀).

♂♀ **oncognathum** Thorell, 1870 Europe, Russia
C. nutrix L. Koch, 1864: 139 (D ♂♀).
C. nutrix L. Koch, 1866: 248, pl. 10, f. 158-160 (D ♂♀) (misidentified).
C. o. Thorell, 1870: 208 (D ♂♀).
C. o. Menge, 1873: 343, pl. 60, f. 196 (D ♂♀).
C. o. Simon, 1878: 245 (D ♂♀).
C. o. Simon, 1897: 79, f. 83 (N ♂).
C. o. Bösenberg, 1902: 281, pl. 26, f. 412 (D ♂♀).
C. o. Dahl, 1912: 585 (D ♂♀).
C. o. Reimoser, 1937: 71, f. 43-45 (D ♂♀).
C. o. Palmgren, 1943: 59, f. (N).
C. o. Tullgren, 1946: 36, pl. 5, f. 66-68 (D ♂♀).
C. o. Buchar & Zdárek, 1960: 93, f. 2A, 7A (♀).
C. o. Azheganova, 1968: 126, f. 298, 306 (♂♀).
C. o. Miller, 1971: 103, pl. XIII, f. 15-16 (♀).
C. o. Tyschchenko, 1971: 126, f. 300, 302 (♂).
C. o. Thaler, 1981: 118, f. 32 (♂).
C. o. Sterghiu, 1985: 113, f. 33d-f (♂♀).
C. o. Heimer & Nentwig, 1991: 396, f. 1028 (♂♀).
C. o. Roberts, 1995: 135, f. (♂♀).
C. o. Roberts, 1998: 144, f. (♂♀).

♂♀ **pallicolor** Strand, 1906 Ethiopia, East Africa
C. p. Strand, 1906: 633 (D ♂♀).
C. p. Strand, 1908: 40 (D ♂♀).
C. p. Caporiacco, 1947b: 195 (N ♀).

♂♀ **pallidum** Rainbow, 1920 Lord Howe Is. (Australia)
C. p. Rainbow, 1920: 257, pl. 30, f. 79-82 (D ♂♀).

♀ **pauciaculeis** Strand, 1906 Ethiopia
C. p. Strand, 1906: 634 (D ♀).

♀ **pauriense** Majumder & Tikader, 1991 India
C. pauriensis Majumder & Tikader, 1991: 75, f. 155-159 (D ♀).

♂♀ **pelasgicum** (C. L. Koch, 1837) Palearctic
Bolyphantes pelasgicus C. L. Koch, 1837: 9 (D).

C. p. C. L. Koch, 1839: 12, f. 436-437 (D ♂♀).
Clubiona ornata Lucas, 1846: 211, pl. 12, f. 6 (D ♀).
C. p. L. Koch, 1864: 158 (D ♂♀).
Anyphaena p. Simon, 1864: 145 (C.).
Anyphaena ornata Simon, 1864 145 (C).
C. p. L. Koch, 1866: 243, pl. 10, f. 156 (D ♂♀).
C. p. Simon, 1878: 256 (D ♂♀).
C. p. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 52 (D ♂♀).
C. p. Simon, 1932: 904, 962, f. 1368 (D ♂♀).
C. p. Sterghiu, 1985: 120, f. 36a-e (♂♀).

♂♀ **pennatum** Simon, 1878 Europe
C. p. Simon, 1878: 257, pl. 16, f. 10 (D ♂♀).
C. p. Simon, 1932: 904, 962, f. 1369-1370 (D ♂♀).
C. p. Sterghiu, 1985: 122, f. 36f-i (♂♀).
C. p. Urones, 1988: 145, f. 3a-c (♂♀).

♂ **pennuliferum** Simon, 1909 Western Australia
C. p. Simon, 1909: 162 (D ♂).

♂♀ **pennyi** O. P.-Cambridge, 1873 Palearctic
C. p. Cambridge, 1873: 533, pl. 46, f. 6 (D ♂).
C. p. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 71, 77 (♂, D ♀).
C. p. Bösenberg, 1902: 283, pl. 26, f. 415 (D ♂♀).
C. p. Ermolajew, 1928: 99, f. 2 (D ♂).
C. p. Simon, 1932: 904, 961, f. 1366-1367 (D ♂♀).
C. p. Reimoser, 1937: 72, f. 46-47 (D ♂♀).
C. p. Locket & Millidge, 1951: 145, f. 74C (D ♂♀).
C. circumcinctum Schenkel, 1963 : 257, f. 145 (D ♀).
C. p. Clark & Locket, 1964: 1, f. A-E (♀).
C. p. Locket, 1964: 259, f. 1A-C (♀).
C. p. Braendegaard, 1966: 193, f. 164 (♀).
C. p. Azheganova, 1968: 127, f. 307-308 (♂♀).
C. p. Tyschchenko, 1971: 127, f. 304 (♂).
C. p. Clark & Jerrard, 1972: 110, f. 1 (♂).
C. p. Locket, Millidge & Merrett, 1974: 13, f. 7E-F (♀).
C. circumcinctum Hu, 1979: 67, f. 9A-C (♀).
C. p. Song, Yu & Shang, 1981: 88, f. 15-17 (♂♀, S).
C. p. Hu, 1984: 298, f. 317.1-3 (♂♀).
C. p. Roberts, 1985: 88, f. 34b (♂♀).
C. p. Sterghiu, 1985: 118, f. 35e-g (♂♀).
C. p. Guo, 1985: 147, f. 2-79.1-2 (♀).
C. p. Zhu et al., 1985: 159, f. 142a-e (♂♀).
C. p. Song, 1987: 315, f. 270 (♂♀).
C. p. Zhang, 1987: 193, f. 165. 1-3 (♂♀).
C. p. Urones, 1988: 145, f. 1a-b, 4a-c (♂♀).
C. p. Hu & Wu, 1989: 304, f. 243.1-3 (♂♀).
C. p. Chen & Gao, 1990: 149, f. 187a-b (♂♀).
C. p. Wolf, 1991: 233, f. 1B, 6C-D, 8D-F, 9C-D, G-H (♂♀).

- C. p.* Heimer & Nentwig, 1991: 396, f. 1029 (♂♀).
C. p. Zhao, 1993: 319, f. 150a-c (♂♀).
C. p. Almquist, 1994: 115, f. 16-19 (♂♀).
C. p. Roberts, 1995: 134, f. (♂♀).
C. p. Mcheidze, 1997: 171, f. 321-324 (♂♀).
C. p. Roberts, 1998: 143, f. (♂♀).
C. p. Song, Zhu & Chen, 1999: 413, f. 242E-F, 243O-P (♂♀).

♀ **peregrinum** Thorell, 1899 Cameroon

- C. p.* Thorell, 1899: 17 (D ♀).
C. p. Simon, 1910: 345, f. 4 (D ♀).

♀ **perincertum** Caporiacco, 1940 Ethiopia

- C. p.* Caporiacco, 1940: 839, f. 39 (D ♀).

♂♀ **pichoni** Schenkel, 1963 China

- C. p.* Schenkel, 1963: 258, f. 146 (D ♀).
C. p. Song, 1980: 186, f. 103a-d (♂♀).
C. p. Song & Zheng, 1981: 351, f. 9-12 (♀, D ♂).
C. p. Song, 1987: 317, f. 271 (♂♀).
C. p. Chen & Gao, 1990: 149, f. 188a-b (♂♀).
C. p. Chen & Zhang, 1991: 250, f. 262.1-5 (♂♀).
C. p. Song, Zhu & Chen, 1999: 414, f. 242G-H, 243Q-R (♂♀).

♀ **poonaense** Majumder & Tikader, 1991 India

- C. poonaensis* Majumder & Tikader, 1991: 84, f. 181-185 (D ♀).

♀ **potanini** Schenkel, 1963 China

- C. p.* Schenkel, 1963: 256, f. 144 (D ♀).

♀ **presleyensis** Lotz, 1995 South Africa

- C. p.* Lotz, 1995: 28, f. 7, 12a-d (D ♀)

♀ **proximum** Kulczyński, 1901 Eritrea

- C. p.* Kulczyński, 1901: 46, pl. 2, f. 42, 44, 47 (D ♀).

♀ **punctipedellum** Caporiacco, 1949 Kenya

- C. p.* Caporiacco, 1949: 437, f. 71 (D ♀).

♂♀ **punctorium** (Villers, 1789) * Europe to Central Asia

- Aranea punctoria* Villers, 1789: 128, pl. 11, f. 9 (D ♂).
Aranea nutrix Walckenaer, 1802: 220 (D).
Clubiona nutrix Walckenaer, 1805: 43 (N).
Clubiona nutrix Walckenaer, 1830: 135 (D).
Drassus maxillosus Wider, 1834: 209, pl. 14, f. 8 (D ♀).
Clubiona nutrix Walckenaer, 1837: 601 (D ♂♀).
C. nutrix C. L. Koch, 1839: 9, f. 434-435 (D ♂♀, in part.).
Anyphaena nutrix Simon, 1864: 145 (C).
C. nutrix Ohlert, 1867: 102 (D ♂♀).

- C. italicum* Canestrini & Pavesi, 1868: 851 (D ♂).
C. italicum Canestrini & Pavesi, 1870: 114(8), pl. 4, f. 3 (C ♂).
C. nutrix Menge, 1873: 346, pl. 60, f. 197 (D ♂♀).
C. p. Simon, 1878: 247 (D ♂♀).
C. nutrix Dahl, 1883: 55 (D ♂♀).
C. nutrix Hansen, 1885: 135 (D ♂♀).
C. p. Becker, 1896: 284, pl. 17, f. 4 (D ♂♀).
C. p. Chyzer & Kulczyński, 1897: 234, pl. 9, f. 51 (D ♂♀).
C. p. Simon, 1897: 88, f. 78 (N).
C. nutrix Bösenberg, 1902: 283, pl. 26, f. 416 (D ♂♀).
C. p. Lessert, 1910: 415 (D ♂♀).
C. p. Simon, 1932: 897, 900, 961, f. 1349, 1357 (D ♂♀).
C. p. Reimoser, 1937: 75, f. 54-55 (D ♂♀).
C. p. Tullgren, 1946: 38, pl. 6, f. 72-74 (D ♂♀).
C. p. Czajka, 1954: 170, f. 2 (♀).
C. p. Azheganova, 1968: 127, f. 309-310 (♂♀).
C. p. Tyschchenko, 1971: 127, f. 307 (♂).
C. p. Miller, 1971: 104, pl. XXVII, f. 24 (♂).
C. p. Sterghiu, 1985: 107, f. 31c-g (♂♀).
C. p. Heimer & Nentwig, 1991: 398, f. 1035 (♂♀).
C. p. Roberts, 1995: 135, f. (♂♀).
C. p. Mcheidze, 1997: 171, f. 325-327 (♂♀).
C. p. Bellmann, 1997: 178, f. (♀).
C. p. Roberts, 1998: 143, f. (♂♀).
C. p. Esysunin & Efimik, 1998: 150, f. 25-26 (♀).

♂♀ **punjabense** Sadana & Bajaj, 1980 India
C. punjabensis Sadana & Bajaj, 1980: 131, f. 1-4 (D ♂♀).

♀ **rehobothense** Strand, 1915 Palestine
C. r. Strand, 1915: 158 (D ♀).

♂ **reimoseri** Caporiacco, 1940 Ethiopia
C. r. Caporiacco, 1940: 838, f. 38 (D ♂).

♂♀ **rupestre** Herman, 1879 Eastern Europe
C. r. Herman, 1879: 157, 356, pl. 7, f. 158 (D ♀).
C. r. Chyzer & Kulczyński, 1897: 235, pl. 9, f. 42, 62, 78 (♀, D ♂).
C. r. Oltean, 1973b: 46, f. 1-2 (♂).
C. r. Sterghiu, 1985: 110, f. 33a-c (♂).

♀ **rupicola** (Thorell, 1897) Burma (Myanmar), Pulu Berhala (Indonesia)
Eutittha r. Thorell, 1897: 253 (D ♀).

♂ **sakoemicum** Roewer, 1938 Papua New Guinea
C. s. Roewer, 1938: 74, f. 50 (D ♂).

♂ **salsicola** Simon, 1932 France
C. s. Simon, 1932: 899, 963, f. 1351 (D ♂).

- ♀ **sambii** Patel & Reddy, 1991 India
C. s. Patel & Reddy, 1991b: 269, f. 1a-e (D ♀).
- ♀ **sansibaricum** Strand, 1907 Zanzibar (Tanzania)
C. s. Strand, 1907: 738 (D ♀).
C. s. Strand, 1908: 115 (D ♀).
- ♂♀ **saraswatii** Tikader, 1962 India
C. s. Tikader, 1962: 568, f. 1a-d (D ♂♀).
C. s. Tikader, 1969: 157, f. 13-16 (D ♂♀).
C. saraswati Majumder & Tikader, 1991: 70, f. 140-145 (♂♀).
- ♀ **schenkeli** Caporiatto, 1949 Kenya
C. s. Caporiatto, 1949: 436, f. 70 (D ♀).
- ♂♀ **seidlitzii** L. Koch, 1864 Mediterranean to Central Asia
C. s. L. Koch, 1864: 154 (D ♂♀).
C. s. L. Koch, 1866: 264, pl. 11, f. 169-171 (D ♂♀).
C. fasciatum Thorell, 1873: 432 (D).
C. s. Simon, 1878: 250, pl. 16, f. 10 (D ♂♀).
C. s. Chyzer & Kulczyński, 1897: 233, pl. 9, f. 63 (D ♂).
C. s. Simon, 1897: 79, f. 84 (N ♂).
C. siedlitzii Simon, 1932: 902, 961, f. 1362-1363 (D ♂♀).
- ♀ **sestii** Patel & Reddy, 1991 India
C. s. Patel & Reddy, 1991: 271, f. 2a-e (D ♀; N.B.: figs. 2, 3 transposed).
- ♀ **shiluvanensis** Lotz, 1995 South Africa
C. s. Lotz, 1995: 30, f. 7, 13a-d (D ♀)
- ♀ **sikkimense** Majumder & Tikader, 1991 India
C. sikkimensis Majumder & Tikader, 1991: 77, f. 160-164 (D ♀).
- ♀ **silaceum** Rainbow, 1897 New South Wales (Australia)
C. s. Rainbow, 1897: 524, pl. 18, f. 1 (D ♀).
- ♂♀ **simaoense** Zhang & Yin, 1999 China
C. simaoensis Zhang & Yin, 1999: 286, f. 4-7 (D ♂♀).
C. simaoensis Song, Zhu & Chen, 1999: 414, f. 242I-J, 244A-B (♂♀).
- ♀ **simplex** Thorell, 1899 Cameroon
C. s. Thorell, 1899: 18 (D ♀).
- ♂♀ **siwi** New name Siwa Oasis (Egypt)
C. tenue Denis, 1947: 66, pl. 4, f. 7-8 (D ♂♀) (primary junior homonym of *C. tenue* L. Koch, 1873). [N. Siwi is the Arabic adjective of Siwa.]
- ♂ **socotrense** Pocock, 1903 Socotra (Yemen)

C. s. Pocock, 1903: 195 (D ♂).

♀ **solidum** Zhang, Zhu & Hu, 1993 China
C. s. Zhang, Zhu & Hu, 1993: 107, f. 5-6 (D ♀).
C. s. Song, Zhu & Chen, 1999: 414, f. 242K-L (♀).

♂♀ **somalinum** Pavesi, 1895 Somalia
C. s. Pavesi, 1895 41 (D ♂♀).

♂ **soputani** Merian, 1911 Celebes Is. (Sulawesi, Indonesia)
C. s. Merian, 1911: 282 (D ♂).

♂ **spectabile** (Thorell, 1887) Burma (Myanmar)
Eutittha spectabilis Thorell, 1887: 61 (D ♂).

♀ **sphaericum** Zhang, Zhu & Hu, 1993 China
C. s. Zhang, Zhu & Hu, 1993: 107, f. 7-8 (D ♀).
C. s. Song, Zhu & Chen, 1999: 414, f. 242M-N (♀).

♀ **strasseni** Strand, 1915 Palestine
C. s. Strand, 1915: 156 (D ♀).

♀ **strasseni aharonii** Strand, 1915 Palestine
C. s. a. Strand, 1915: 157 (D ♀).

♂♀ **stratioticum** L. Koch, 1873 New Zealand, Tasmania
C. s. L. Koch, 1873: 408, pl. 32, f. 3-4 (D ♂♀).
C. s. Hickman, 1967: 94, f. 161-162 (♂♀).
C. s. Forster, 1979: 92, f. 23, 352-356 (♂♀).

♀ **streblowi** L. Koch, 1879 Russia
C. streblowii L. Koch, 1879: 93, pl. 3, f. 10 (D ♀).
C. s. Holm, 1973: 104, f. 101 (♀).
C. s. Izmailova, 1989: 112, f. 100 (♀).

♂♀ **striolatum** Simon, 1878 Western Mediterranean
C. t. Simon, 1878: 263 (D ♂♀).
C. t. Simon, 1932: 901, 962, f. 1360-1361 (D ♂♀).
C. s. Barrientos & Urones, 1985: 351, f. 1a (♂).

♂♀ **submordax** Zhang, Zhu & Hu, 1993 China
C. s. Zhang, Zhu & Hu, 1993: 106, f. 1-4 (D ♂♀).
C. s. Song, Zhu & Chen, 1999: 414, f. 242O-P, 244C-D (♂♀).

♀ **subyemenense** Caporiacco, 1947 Ethiopia
C. s. Caporiacco, 1947b: 196, pl. 2, f. 43 (D ♀).

♂♀ **taegense** Paik, 1990 Korea, China
C. t. Paik, 1990: 11, f. 39-57 (D ♂♀).

- C. t.* Xu & Zhang, 1993: 94, f. 1-4 (♂♀).
C. t. Zhang, Hu & Zhu, 1994: 9, f. 3-6 (♂♀).
C. t. Song, Zhu & Chen, 1999: 414, f. 242Q-R, 244E-F (♂♀).

♂ **taprobanense** Strand, 1907 Ceylon (Sri Lanka)
C. t. Strand, 1907: 563 (D ♂).
C. t. Strand, 1909: 45, pl. 2, f. 26 (D ♂).

♂ **tenue** L. Koch, 1873 Queensland (Australia)
C. t. L. Koch, 1873: 407, pl. 32, f. 1 (D ♂).

♂ **tenuipes** Roewer, 1961 Senegal
C. t. Roewer, 1961: 64, f. 21 a-c (D ♂).

♂ **tetragnathoides** Caporiacco, 1949 Kenya
C. t. Caporiacco, 1949: 438, f. 73 (D ♂).

♂ **torricellianum** Strand, 1910 Papua New Guinea
C. t. Strand, 1911b: 15 (D ♂).

♂♀ **triviale** (Thorell, 1895) Burma (Myanmar), India
Eutittha trivialis Thorell, 1895: 49 (D ♀).
C. trivialis Gravely, 1931: 265, f. 17H, K (♀, D ♂).
C. trivialis Tikader & Biswas, 1981: 71, f. 125-126 (♀).
C. trivialis Majumder & Tikader, 1991: 56, f. 103-108 (♂♀).

♂ **trivittatum** Simon, 1906 India
C. t. Simon, 1906: 297 (D ♂).
C. t. Majumder & Tikader, 1991: 74, f. 151-154 (♂).

?? **turanicum** Kroneberg, 1875 Tajikistan, Uzbekistan
C. seidlitzii t. Kroneberg, 1875: 52 (D).
C. t. Mikhailov, 1997: 159.

♂♀ **turiae** Strand, 1917 Thailand to Queensland (Australia)
Eutittha montana Thorell, 1890: 368 (D ♂; preoccupied).
C. t. Strand, 1917: 72 (N) (replacement name).
Clubiona andamanensis Tikader, 1977a: 194, f. 19A-C (D ♀).
Clubiona andamanensis Majumder & Tikader, 1991: 27, f. 39-43 (♀).
C. t. Deeleman-Reinhold, 2001: 234, f. 286-293 (♂, S ♀).

♂♀ **uncinatum** Paik, 1985 Korea, China
C. u. Paik, 1985: 2, f. 1-9 (D ♂).
C. u. Paik, 1990: 15, f. 71-81 (♂, D ♀).
C. u. Zhang & Zhu, 1993a: 77, f. 3-6 (♂♀).
C. u. Song, Zhu & Chen, 1999: 414, f. 242S-T, 244G-H (♂♀).

♂♀ **unicum** Bösenberg & Strand, 1906 China, Korea, Japan
C. u. Bösenberg & Strand, 1906: 287, pl. 16, f. 501 (D ♂).

- C. jokohamae* Strand, 1907: 562 (D ♀).
C. jokohamae Strand, 1909: 43, pl. 2, f. 23 (D ♀).
C. u. Yaginuma, 1960: 112, f. 91.5 (♂).
C. u. Yaginuma, 1966a: 38. f. C, C' (♂♀).
C. u. Paik, 1970: 88, f. 15-16 (♀).
C. u. Yaginuma, 1971: 112, f. 91.5 (♂).
C. u. Yaginuma, 1977: 401 (S).
C. u. Yamakawa & Kumada, 1979: 12, f. 11-12 (♂).
C. u. Yaginuma, 1986: 178, f. 98.3 (♂♀).
C. u. Song, 1987: 318, f. 272 (♂♀).
C. u. Chikuni, 1989: 123, f. 4 (♂♀).
C. u. Paik, 1990: 13, f. 58-70 (♂♀, S).
C. u. Chen & Zhang, 1991: 250, f. 261.1-4 (♂♀).
C. u. Song, Zhu & Chen, 1999: 414, f. 242U-V, 244I-J (♂♀).

♂♀ **vansoni** Lawrence, 1936 Kalahari (Botswana), South Africa, Zimbabwe, Namibia

- C. v.* Lawrence, 1936: 155, f. 7 (D ♀).
C. v. Lotz, 1995: 32, f. 14a-h, 15 (D ♂♀).

♂ **verneti** Lessert, 1929 Congo
C. v. Lessert, 1929: 138, f. 20 (D ♂).

♂♀ **virescens** (Sundevall, 1832) Palearctic

- Clubiona v.* Sundevall, 1832: 267 (D ♂♀).
C. nutrix Westring, 1862: 378 (D ♂♀).
C. nutrix O.P.-Cambridge, 1873: 531, pl. 46, f. 4 (D ♂♀) (misidentified).
C. candidum Simon, 1878: 258 (D ♂♀).
C. lapidicolens Simon, 1878: 261 (D ♂♀).
C. lapidicolens Becker, 1896: 289, pl. 17, f. 6 (D ♂♀).
C. lapidicolens Chyzer & Kulczyński, 1897: 234, pl. 9, f. 67 (D ♂♀).
C. lapidicolens Bösenberg, 1902: 282, pl. 26, f. 413 (D ♂♀).
C. lapidicolens Lessert, 1910: 416 (D ♂♀).
C. v. Simon, 1918: 201 (N).
C. lapidicolens Schenkel, 1925: 307 (N ♀).
C. lapidicolens Ermolajev, 1928: 105, f. 6 (D ♂♀).
C. v. Simon, 1932: 899, 901, 962, f. 1353, 1358 (D ♂♀).
C. lapidicolens Saito: 17, 76, pl. 11 (N ♀).
C. v. Reimoser, 1937: 76, f. 56-57 (D ♂♀).
C. v. Palmgren, 1943: 60, f. (N).
C. nutrix Tullgren, 1946: 39, f. 11B, pl. 6, f. 75-77 (D ♂♀).
C. v. Lockett & Millidge, 1951: 146, f. 74B, E (D ♂♀).
C. v. Braendegaard, 1966: 191, f. 162-163 (♂♀).
C. v. Azheganova, 1968: 128, f. 311-312 (♂♀).
C. v. Tyschchenko, 1971: 127, f. 308 (♂).
C. v. Miller, 1971: 104, pl. XXVII, f. 25 (♂).
C. v. Hu, 1979: 66, f. 7A-D (♀).
C. v. Hu, 1984: 300, f. 305.3 (♀).
C. v. Roberts, 1985: 88, f. 34c (♂♀).

- C. v. Sterghiu, 1985: 108, f. 32a-e (♂♀).
 C. v. Millidge, 1988: 259, f. 27 (♂).
 C. v. Chen & Gao, 1990: 150, f. 189a-b (♂♀).
 C. v. Heimer & Nentwig, 1991: 398, f. 1036 (♂♀).
 C. v. Próchniewicz, 1991a: 178, f. 3, 6, 9, 12, 15 (♂).
 C. v. Zhao, 1993: 320, f. 151a-b (♂♀).
 C. v. Zhang, 1994: 133, f. 1-3 (♀).
 C. v. Roberts, 1995: 134, f. (♂♀).
 C. v. Mcheidze, 1997: 172, f. 328-330 (♂♀).
 C. v. Bellmann, 1997: 178, f. (♀).
 C. v. Roberts, 1998: 143, f. (♂♀).
 C. v. Song, Zhu & Chen, 1999: 414, f. 242W-X (♀).

- ♂♀ **vorax** O. P.-Cambridge, 1874 India
 C. v. O. P.-Cambridge, 1874: 410, pl. 52, f. 33 (D ♂♀).
 C. v. Majumder & Tikader, 1991: 88, f. 191-196 (♂♀).

- ♂♀ **wiehlei** Chrysanthus, 1967 New Guinea
 C. w. Chrysanthus, 1967: 405, f. 4-5, 11-12 (D ♂♀).

- ♂ **yemenense** Simon, 1882 Yemen, Somalia
 C. y. Simon, 1882: 240, pl. 8, f. 16 (D ♂).
 C. y. Strand, 1908c: 33 (D ♂).

- ♂♀ **zebrinum** Saveljeva, 1972 Russia, Kazakhstan
 C. z. Saveljeva, 1972: 1404, f. 6-10 (D ♂♀).
 C. z. Izmailova, 1989: 113, f. 101 (♂).

- ♂♀ **zhejiangense** Hu & Song, 1982 China, Korea
 C. *zhejiangensis* Hu & Song, 1982: 56, f. 4A-D (D ♂♀).
 C. *zhejiangensis* Hu, 1984: 299, f. 318.1-4 (♂♀).
 C. *zhejiangensis* Song, 1987: 319, f. 273 (♂♀).
 C. *zhejiangensis* Feng, 1990: 169, f. 144.1-3 (♀).
 C. z. Paik, 1990: 9, f. 26-38 (♂♀).
 C. *zhejiangensis* Chen & Zhang, 1991: 251, f. 263.1-4 (♂♀).
 C. *zhejiangensis* Zhao, 1993: 321, f. 152a-c (♂♀).
 C. z. Song, Zhu & Chen, 1999: 414, f. 243A-B, 244K-L (♂♀).

References (303)

- Almquist, S. 1994. Four species of spiders (Araneae) new to Sweden. *Ent. Tidskr.* **115**: 113-117.
- Azheganova, N.S. 1968. *Kratkii opredelitel' paukov (Aranei) lesnoi i lesostepnoi zony SSSR*. Akademia Nauk SSSR, pp. 1-149.
- Banks, N. 1898. Arachnida from Baja California and other parts of Mexico. *Proc. Californ. Acad. Sci.* (3) **1(7)**: 205-308, pls. 13-17.

- Banks, N. 1909. Arachnida from Costa Rica. *Proc. Acad. nat. Sci. Philad.* **61**: 194-234.
- Barrientos, J.A. & Urones, M.C. 1985. La colección de araneidos del Departamento de Zoología de la Universidad de Salamanca, V : arañas clubionoideas y tomisoideas. *Boln Asoc. esp. Entomologia* **9**: 349-366.
- Barrion, A.T. & Litsinger, J.A. 1995. *Riceland Spiders of South and Southeast Asia*. CAB International, Wallingford, UK, xix + 700 pp.
- Becker, L. 1878. Diagnoses de quelques aranéides nouvelles du Mexique. *Ann. Soc. ent. Belg.* **21**: 77-80, pl. 2, f. 1-14.
- Becker, L. 1896. Les arachnides de Belgique. *Ann. Mus. Roy. Hist. nat. Belg.* **12(2)**: 128-378, pls. 1-18.
- Beer, S.A. 1964. On the fauna and ecology of spiders in the Murman region. *Zool. Zh.* **43**: 525-533.
- Bellmann, H. 1997. *Kosmos-Atlas Spinnentiere Europas*. Frankh-Kosmos Verlag, Stuttgart, 304 pp.
- Berland, L. 1929. Aragnées (Araneida). In *Insects of Samoa and other Samoan terrestrial Arthropoda*. London, **8(2)**: 35-78, f. 1-79.
- Bertkau, P. 1880. Verzeichniss der von Prof. Ed. van Beneden auf seiner im Auftrage der Belgischen Regierung unternommen wissenschaftlichen Reise nach Brasilien und La Plata im Jahren 1872-73 gensammelten Arachniden. *Mém. Cour. Acad. Belg.* **43**: 1-120, pls. 1-2, f. 1-41.
- Blackwall, J. 1859. Descriptions of newly discovered spiders captured by James Yate Johnson Esq., in the island of Madeira. *Ann. Mag. nat. Hist.* (3) **4**: 255-267.
- Blackwall, J. 1861. *A history of the spiders of Great Britain and Ireland*. London, **1**: 1-174, pls. 1-12, f. 1-110.
- Blackwall, J. 1862. Descriptions of newly discovered spiders captured in Rio de Janeiro, by John Gray and the Rev. Hamlet Clark [part]. *Ann. Mag. nat. Hist.* (3) **10**: 421-439.
- Boeris, G. 1889. Aracnidi raccolti nel Sud America dal Dott. Vincenzo Ragazzi. *Atti Soc. nat. Modena, Mem.* **3(3)**: 123-135.
- Bonaldo, A.B. & Brescovit, A.D. 1992. As aranhas do gênero *Cheiracanthium* C. L. Koch, 1839 na região neotropical (Araneae, Clubionidae). *Revta bras. Ent.* **36**: 731-740.
- Bösenberg, W. 1902. Die Spinnen Deutschlands. II-IV. *Zoologica* (Stuttgart) **14(2-4)**: 97-384, pls. 9-36, f. 116-564.
- Bösenberg, W. & Strand, E. 1906. Japanische Spinnen. *Abh. Senck. naturf. Ges.* **30(1-2)**: 93-373, pls. 3-16, f. 1-505 & 1-6.
- Braendegaard, J. 1966. Edderkopper: Eller Spindlere I. *Danmarks Fauna* **72**: 1-224.
- Breene, R.G., Dean, D.A., Nyffeler, M. & Edwards, G.B. 1993. *Biology, Predation Ecology, and Significance of Spiders in Texas Cotton Ecosystems with a Key to Species*. Texas Agriculture Experiment Station, College Station, 115 pp.

- Brignoli, P.M. 1983. A Catalogue of the Araneae described between 1940 and 1981. Ed. P.Merrett. 755 pp. Manchester University Press. (In association with The British Arachnological Society) [Genus *Cheiracanthium*: pp. 549-550, 703]
- Bryant, E.B. 1940. Cuban spiders in the Museum of Comparative Zoology. *Bull. Mus. comp. Zool. Harv.* **86(7)**: 247-554, pls. 1-22, f. 1-297.
- Bryant, E.B. 1952. Redescription of *Cheiracanthium mildei* L. Koch, recent spider immigrant from Europe. *Psyche, Camb.* **58**: 120-123.
- Buchar, J. & Zdárek, J. 1960. Die Arachnofauna der mittelböhmisches Waldsteppe. *Acta Univ. Carolinae Biol.* **1960**: 87-102.
- Cambridge, O.P. 1869. Catalogue of a collection of Ceylon Araneida lately received from Mr J. Nietner, with descriptions of new species and characters of a new genus. I. *Jour. Linn. Soc. London (Zool.)* **10**: 373-397, pls. 11-13, f. 1-88.
- Cambridge, O.P. 1872. General list of the spiders of Palestine and Syria, with descriptions of numerous new species, and characters of two new genera. *Proc. zool. Soc. Lond.* **1871**: 212-354, pls. 13-16, f. 1-13.
- Cambridge, O.P. 1873a. On new and rare British spiders (being a second supplement to "British spiders new to science", Linn. Trans. XXVII, p. 393). *Trans. Linn. Soc. London* **28(4)**: 523-555, pl. 46, f. 1-21.
- Cambridge, O.P. 1873b. On the spiders of St. Helena. *Proc. zool. Soc. Lond.* **1873**: 210-227, pl. 24, f. 1-6.
- Cambridge, O.P. 1874. On some new species of Drassides. *Proc. zool. Soc. Lond.* **1874**: 370-419, pls. 51-52, f. 1-37.
- Cambridge, O.P. 1885. Araneida. In *Scientific results of the second Yarkand mission*. Calcutta, pp. 1-115, pls. 1-2, f. 1-21.
- Cambridge, O.P. 1897. Arachnida. Araneida. In *Biologia Centrali-Americana, Zoology*. London, **1**: 225-232, pls. 27-30 (part).
- Canestrini, G. & Pavesi, P. 1868. Araneidi italiani. *Atti Soc. ital. sci. nat.* **11**: 738-872.
- Canestrini, G. & Pavesi, P. 1870. Catalogo sistematico degli Araneidi italiani. *Arch. zool. anat. fisiol. Bologna* **2**: 20-64, pls. 3-4.
- Caporiacco, L.di 1935. Aracnidi dell'Himalaia e del Karakoram, raccolti dalla Missione italiana al Karakoram (1929-VII). *Mem. Soc. ent. ital.* **13**: 161-263, pls. 4-7.
- Caporiacco, L.di 1936. Aracnidi raccolti durante la primavera 1933 nelle oasi del deserto libico. *Mem. Soc. ent. ital.* **15**: 93-122, f. 1-11.
- Caporiacco, L.di 1939. Arachnida. In Missione biologica nel paese dei Borana. Raccolti zoologiche. *Redia* **1939**: 303-385, f. 1-27.
- Caporiacco, L.di 1940. Aracnidi raccolte nella Reg. dei Laghi Etiopici della Fossa Galla. *Atti Real. Accad. Ital.* **11(18)**: 767-873, f. 1-58.
- Caporiacco, L.di. 1947a. Diagnosi preliminari de specie nuove di aracnidi della Guiana Brittanica raccolte dai professori Beccari e Romiti. *Monitore zool. ital.* **56**: 20-34.

- Caporiacco, L.di 1947b. Arachnida Africae Orientalis, a dominibus Kittenberger, Kovacs et Bornemisza lecta, in Museo Nationali Hungarico servata. *Annls hist.-nat. Mus. natn. Hung.* **40(3)**: 97-257, pls. 1-2, f. 1-77.
- Caporiacco, L.di 1948. Arachnida of British Guiana collected in 1931 and 1936 by Professors Beccari and Romiti. *Proc. zool. Soc. London* **118**: 607-747.
- Caporiacco, L.di 1949. Aracnidi della colonia del Kenya raccolti da Toschi e Meneghetti negli anni 1944-1946. *Commentat. pontif. Acad. Scient.* **13(6)**: 309-492, f. 1-98.
- Caporiacco, L.di 1955. Estudios sobre los aracnidos de Venezuela. 2a parte: Araneae. *Acta biol. venez.* **1**: 265-448.
- Chen, X.E. & Gao, J.C. 1990. *The Sichuan farmland spiders in China*. Sichuan Sci. Tech. Publ. House, Chengdu, 226 pp.
- Chen, Z.F. & Zhang, Z.H. 1991. *Fauna of Zhejiang: Araneida*. Zhejiang Science and Technology Publishing House, 356 pp.
- Chickering, A. M. 1937. The Clubionidae of Barro Colorado Island, Panama. *Trans. Amer. microsc. Soc.* **56(1)**: 1-47, pls. 1-6, f. 1-83.
- Chikuni, Y. 1989. *Pictorial Encyclopedia of Spiders in Japan*. Kaisei-sha Publ. Co., Tokyo, 310 pp.
- Chrysanthus, P. 1967. Spiders from south New Guinea VIII. *Nova Guinea (N.S., Zool.)* **37**: 401-426.
- Chyzer, C. & Kulczyński, V. 1897. Araneae hungariae. Budapest, 2(b): 151-366, pls. 6-10.
- Clark, D.J. & Jerrard, P.C. 1972. A note on *Cheiracanthium pennyi* O. P.-Cambridge. *Bull. Br. arachnol. Soc.* **2**: 110.
- Clark, D.J. & Locket, G.H. 1964. *Cheiracanthium pennyi* O. P.-Cambridge. *Bull. Br. Spider Study Group* **22**: 1-2.
- Comstock, J.H. 1912. *The spider book; a manual for the study of the spiders and their near relatives, the scorpions, pseudoscorpions, whipscorpions, harvestmen and other members of the class Arachnida, found in America north of Mexico, with analytical keys for their classification and popular accounts of their habits*. Garden City, New York, pp. 1-721.
- Comstock, J.H. 1940. *The spider book, revised and edited by W. J. Gertsch*. Cornell Univ. Press, Ithaca, xi + 727 pp.
- Czajka, M. 1954. *Chiracanthium elegans* Thorell - novel arachnidean species in the Polish fauna. *Polskie Pismo Ent.* **24**: 169-172.
- Dahl, F. 1883. Analytische Bearbeitung der Spinnen Norddeutschlands mit einer anatomisch-biologischen Einleitung. *Schrift. naturw. Ver. Schleswig-Holstein* **5(2)**: 13-86, pls. 1-2, f. 1-34.
- Dahl, F. 1912. Über die Fauna des Plagefenn-Gebietes. In Conwentz, H. (ed.) *Das Plagefenn bei Choren*. Berlin, pp. 339-638 (Araneae, 575-622).
- Deeleman-Reinhold, C.L. 2001. *Forest spiders of South East Asia: with a revision of the sac and ground spiders (Araneae: Clubionidae, Corinnidae, Liocranidae, Gnaphosidae, Prodidomidae and Trochanterriidae [sic])*. Brill, Leiden, 591 pp.

- Denis, J. 1947. Spiders. *In* Results of the Armstrong College expedition to Siwa Oasis (Libyan desert), 1935. *Bull. Soc. Fouad I. Ent.* **31**: 17-103, pls.1-6.
- Denis, J. 1962. Les araignées de l'archipel de Madère (Mission du Professeur Vandel). *Publções Inst. Zool. Dr Augusto Nobre* **79**: 1-118.
- Dondale, C.D. 1966. The spider fauna (Araneida) of deciduous orchards in the Australian Capital Territory. *Aust. J. Zool.* **14**: 1157-1192.
- Dondale, C.D. & Redner, J.H. 1982. The insects and arachnids of Canada, Part 9. The sac spiders of Canada and Alaska, Araneae: Clubionidae and Anyphaenidae. *Research Branch, Agriculture Canada, Publ.* **1724**: 1-194.
- Dönitz & Strand, E. 1906. Japanische Spinnen (Anhang.). *Abh. Senck. naturf. Ges.* **30(1-2)**: 374-399, pls. 3-16, f. 1-505 (part.).
- Drensky, P. 1921. Contribution à l'étude des araignées de la Macédoine or et de Pirine Planina. *Spis. bulg. Akad. Nauk* **23**: 1-80, pls. 1-2.
- Edwards, R.J. 1958. The spider subfamily Clubioninae of the United States, Canada and Alaska (Araneae: Clubionidae). *Bull. Mus. comp. Zool. Harv.* **118**: 365-436.
- Emerton, J.H. 1889. New England spiders of the families Drassidae, Agalenidae and Dysderidae. *Trans. Connect. Acad. Arts Sci.* **8(9)**: 166-206, pls. 3-8.
- Ermolajev, W.N. 1928. Materialien zur Spinnenfauna Westsibiriens. *Arch. Naturg.* **92(A, 7)**: 97-109.
- Esyunin, S.I. & Efimik, V.E. 1998. Remarks on the Ural spider fauna, 8. New and unidentified species from steppe landscapes of the south Urals (Arachnida: Aranei). *Arthropoda Selecta* **7**: 145-152.
- Feng, Z.Q. 1990. *Spiders of China in colour*. Hunan Science and Technology Publishing House, 256 pp.
- Forster, R.R. 1979. The spiders of New Zealand. Part V. Cycloctenidae, Gnaphosidae, Clubionidae. *Otago Mus. Bull.* **5**: 1-95.
- Gering, R.L. 1953. Structure and function of the genitalia in some American agelenid spiders. *Smithsonian misc. Coll.* **121(4)**: 1-84.
- Gong, J.X. 1983. Neue und wenig bekannte Clubionidae aus China (Arachnida: Araneae). *Verh. naturw. Ver. Hamb.* **26**: 61-68.
- Gravely, F.H. 1931. Some Indian spiders of the families Ctenidae, Sparassidae, Selenopidae and Clubionidae. *Rec. Ind. Mus. Calcutta* **33(3)**: 211-282, f. 1-20.
- Guo, J.F. (ed.) 1985. [*Farm spiders from Shaanxi Province*]. Shaanxi Science and Technology Press.
- Hahn, C.W. 1831. *Die Arachniden*. Nürnberg, Erster Band, pp. 1-24.
- Hahn, C.W. 1833. *Monographie der Spinnen*. Nürnberg, Heft 7, 1 p., pls. 24-26.
- Hahn, C.W. 1834. *Die Arachniden*. Nürnberg, 2: 1-75, f. 95-163.
- Hansen, H.J. 1882. Spindeldyr. In Schiödte, J.C. (ed.) *Zoologia Danica*. København, **3**: 1-81, pls. 1-5.
- Hansen, H. 1991. Ricerche faunistiche del Museo Civico di Storia Naturale di Venezia nell'Isola di Pantelleria. XI - Arachnida: Scorpiones, Pseudoscorpiones, Araneae. *Boll. Mus. civ. St. nat. Venezia* **40**: 7-19.

- Hayashi, T. 1996. The spider family Clubionidae (Arachnida: Araneae) from the Krakatau Islands, Indonesia. *Acta arachn. Tokyo* **45**: 63-72.
- Heimer, S. & Nentwig, W. 1991. *Spinnen Mitteleuropas: Ein Bestimmungsbuch*. Verlag Paul Parey, Berlin, 543 pp.
- Hentz, N.M. 1847. Descriptions and figures of the araneides of the United States. *Boston J. nat. Hist.* **5**: 443-478, pls. 23, 24, 30, 31.
- Herman, O. 1879. *Magyarország pók-faunája*. [Ungarns Spinnenfauna]. Budapest, 3: 1-394, pls. 7-10, f. 152-219.
- Hickman, V.V. 1967. *Some common spiders of Tasmania*. Tasmanian Mus. Art Gallery, 112 pp.
- Holm, Å. 1973. On the spiders collected during the Swedish expeditions to Novaya Zemlya and Yenisey in 1875 and 1876. *Zoologica Scr.* **2**: 71-110.
- Holmberg, E.L. 1876. Aracnidos argentinos. *Ann. agr. Rep. Argentina* **4**: 1-28, f. 1-15.
- Hu, J.L. 1984. *The Chinese spiders collected from the fields and the forests*. Tianjin Press of Science and Techniques, 482 pp..
- Hu, J.L. & Li, A.H. 1987. The spiders collected from the fields and the forests of Xizang Autonomous Region, China. (II). *Agricultural Insects, Spiders, Plant Diseases and Weeds of Xizang* **2**: 247-353.
- Hu, J.L. & Wu, W.G. 1989. *Spiders from agricultural regions of Xinjiang Uygur Autonomous Region, China*. Shandong Univ. Publ. House, Jinan, 435 pp.
- Hu, Y.J. 1979. [Common clubionids found in paddy fields]. *J. Hunan Teachers Coll.* **1979**(1): 64-72.
- Hu, Y.J. & Song, D.X. 1982. Notes on some Chinese species of the family Clubionidae. *J. Hunan Teachers Coll.* (nat. Sci. Ed.) **1982**(2): 55-62.
- Izmailova, M.V. 1978. New and little-known species of spiders (Aranei) in the fauna of the USSR. In *Taxonomia i ekologiya chlenistonogikh Sibiri*. Novosibirsk, Nauka Publ., pp. 10-12.
- Izmailova, M.V. 1989. [Fauna of Spiders of South Part of Eastern Siberia]. Irkutsk, State Univ. Publ., 184 pp.
- Jäger, P. 1996. Spinnen (Araneae) der Wälder Heide bei Köln. *Decheniana* **35**: 531-572.
- Jonsson, L.J. 1995. Taggspindeln *Cheiracanthium elegans*, ny för Nordeuropa, med en kort översikt av släktets svenska arter. *Ent. Tidskr.* **116**: 55-58.
- Karsch, E. 1879a. West-afrikanische Arachniden, gesammelt von Herrn Stabsarzt Dr. Falkenstein. *Zeitschr. ges. Naturw.* **52**: 329-373.
- Karsch, E. 1879b. Baustoffe zu einer Spinnenfauna von Japan. *Verh. naturh. Ver. preuss. Rheinl. Westfal.* **36**: 57-105, pl. 1, f. 1-21.
- Kaston, B.J. 1948. Spiders of Connecticut. *Bull. Conn. St. geol. nat. Hist. Surv.* **70**: 1-874, pls. 1-144, f. 1-2144.
- Kaston, B.J. 1963. Deformities of external genitalia in spiders. *Jl N. Y. ent. Soc.* **71**: 30-39.

- Kaston, B.J. 1977. Supplement to the spiders of Connecticut. *J. Arachnol.* **4**: 1-72.
- Keyserling, E.V. 1891. *Die Spinnen Amerikas. III. Brasilianische Spinnen.* Nürnberg, 3: 1-278, pls. 1-10, f. 1-203.
- Koch, C.L. 1837. *Übersicht des Arachnidensystems.* Nürnberg, 1: 1-39, pls. 1-6, f. 1-7.
- Koch, C.L. 1839. *Die Arachniden.* Nürnberg, 6: 1-156, f. 432-540.
- Koch, L. 1864. Die europäischen Arten der Arachnidengattung *Cheiracanthium*. *Abh. naturh. Ges. Nürnberg* 14[(3)1]: 137-162.
- Koch, L. 1866. *Die Arachniden-Familie der Drassiden.* Nürnberg, Hefte 1-6, pp. 1-352, pls. 1-14, f. 1-239.
- Koch, L. 1873. *Die Arachniden Australiens.* Nürnberg, 1: 369-528, pls. 28-40.
- Koch, L. 1875. *Aegyptische und abyssinische Arachniden gesammelt von Herrn C. Jickeli.* Nürnberg, pp. 1-96, pls. 1-7.
- Koch, L. 1876. Verzeichniss der in Tirol bis jetzt beobachteten Arachniden nebst Beschreibungen einiger neuen oder weniger bekannten Arten. *Zeitschr. Ferdinan. Tirol Voral.* 3(20): 219-354.
- Koch, L. 1877. Verzeichniss der bei Nürnberg bis jetzt beobachteten Arachniden (mit Ausschluss der Ixodiden und Acariden) und Beschreibungen von neuen, hier vorkommenden Arten. *Abh. naturh. Ges. Nürnberg* **6**: 113-198, f. 1-22.
- Koch, L. 1879. Arachniden aus Sibirien und Novaja Semlja, eingesammelt von der schwedischen Expedition im Jahre 1875. *Kongl. Svenska. Vet.-Acad. Handl.* **14**(5): 1-136, pls. 1-7.
- Koch, L. 1882. Zoologische Ergebnisse von Excursionen auf den Balearen. II: Arachniden und Myriapoden. *Verh. zool.-bot. Ges. Wien* **31**: 625-678, pls. 20-21, f. 1-41.
- Kroneberg, A. 1875. Araneae. In Fedtschenko, A. P. (ed.), *Puteshestvie v Tourkestan. Reisen in Turkestan. Zoologischer Theil.* *Nachr. Ges. Moskau* **19**(3): 1-58, pls. 1-5.
- Kulczyński, V. 1885. Araneae in Camtschadalia a Dre B. Dybowski collectae. *Pam. Akad. umiej. Krakow* **11**: 1-60, pls. 9-11, f. 1-35.
- Kulczyński, V. 1899. Arachnoidea opera Rev. E. Schmitz collecta in insulis Maderianis et in insulis Selvages dictis. *Rozpr. spraw. wydz. mat. przyrod. Akad. umiej. Cracov* **36**: 319-461, pls. 6-9, f. 1-147.
- Kulczyński, V. 1901. Arachnoidea in Colonia Erythraea a Dre K. M. Levander collecta. *Rozpr. spraw. wydz. mat. przyrod. Akad. umiej. Cracov* **41**: 1-64, pls. 1-2, f. 1-50.
- Latreille, P.A. 1806. *Genera crustaceorum et insectorum.* Paris, tome 1, 302 pp., 16 pls. (Araneae, pp 82-127, pls. 3-5).
- Lawrence, R.F. 1927. Contributions to a knowledge of the fauna of South-West Africa V. Arachnida. *Ann. S. Afric. Mus.* **25**(1): 1-75, pls. 1-4, f. 1-90.
- Lawrence, R.F. 1936. Scientific results of the Vernay-Lang Kalahari Expedition, March to September 1930. Spiders (Ctenizidae excepted). *Ann. Transv. Mus.* **17**(2): 145-158, f. 1-8.

- Lawrence, R.F. 1938. A collection of spiders from Natal and Zululand. *Ann. Natal Mus.* **8(3)**: 455-524, f. 1-40.
- Lawrence, R.F. 1942. A contribution to the araneid fauna of Natal and Zululand. *Ann. Natal Mus.* **10(2)**: 141-190, f. 1-32.
- Lawrence, R.F. 1947. A collection of Arachnida made by Dr. I. Tragardh in Natal and Zululand (1904-1905). *Göteborgs K. Vetensk.-o. vitterh. Samh. Handl. (B)* **5 (9)**: 1-41, f. 1-33.
- Legotai, M.V. & Sekerskaya, N.P. 1982. Pauki v sadakh. *Zashita Rastenii* **1982(7)**: 48-51.
- Legotai, M.V. & Sekerskaya, N.P. 1989. Pauki. In T. V. Ostrovskaya (ed.), *Poleznaya fauna plodovogo sada*. Agropromizdat, Moscow, pp. 218-227.
- Lessert, R.de 1910. *Catalogue des invertébrés de la Suisse. Fasc. 3, Araignées*. Musée d'histoire naturelle de Genève, pp. 1-636, f. 1-248.
- Lessert, R.de 1921. Araignées du Kilimandjaro et du Merou (suite). 4. Clubionidae. *Rev. suisse zool.* **28(17)**: 381-442, f. 1-80.
- Lessert, R.de 1923. Araignées du sud de l'Afrique. *Rev. suisse zool.* **30(6)**: 161-212, f. 1-58.
- Lessert, R.de 1929. Araignées du Congo recueillies au cours de l'expédition par l'American Museum (1909-1915). Troisième partie. *Rev. suisse zool.* **36(4)**: 103-159, f. 1-29.
- Locket, G.H. 1964. Type material of British spiders in the O. Pickard-Cambridge collection at Oxford. *Ann. Mag. nat. Hist. (13)* **7**: 257-278.
- Locket, G.H. & Millidge, A.F. 1951. *British spiders*. Ray Society, London, **1**: 1-310, f. 1-142.
- Locket, G.H., Millidge, A.F. & Merrett, P. 1974. *British Spiders, Volume III*. Ray Society, London, 315 pp.
- Lohmander, H. 1944. Vorläufige Spinnen-Notizen. *Ark. Zool.* **35 (A, 16)**: 1-21.
- Lotz, L.N. 1995. The genus *Cheiracanthium* (Araneae : Clubionidae) in Southern Africa. Unpublished M.Sc. Thesis. Faculty of Natural Sciences, University of the Orange Free State, Bloemfontein, South Africa.
- Lotz, L.N. & Dippenaar-Schoeman, A.S. 1999. *Cheiramiona*, a new Afrotropical spider genus (Araneae: Miturgidae: Eutichurinae). *Navors. nas. Mus., Bloemfontein* **15(2)**: 29-43.
- Lucas, H. 1846. Histoire naturelle des animaux articulés. In *Exploration scientifique de l'Algérie pendant les années 1840, 1841, 1842 publiée par ordre du Gouvernement et avec le concours d'une commission académique*. Paris, Sciences physiques, Zoologie, 1 Arachn. pp. 89-271, pls. 1-17.
- Main, B.Y. 1954. Spiders and Opiliones. In *The Archipelago of the Recherche*. *Aust. geogr. Soc. Rep.* **1**: 37-53.
- Main, B.Y. 1964. *Spiders of Australia: A Guide to their Identification with Brief Notes on the Natural History of Common Forms*. Brisbane, Jacaranda Press, 124 pp.

- Majumder, S.C. & Tikader, B.K. 1991. Studies on some spiders of the family Clubionidae from India. *Rec. zool. Surv. India Occ. Pap.* **102**: 1-174.
- Marples, B.J. 1955. Spiders from western Samoa. *J. Linn. Soc. Lond. (Zool.)* **42**: 453-504.
- Marples, B.J. 1959. Spiders from some Pacific islands, III. The Kingdom of Tonga. *Pacifc. Sci.* **13**: 362-367.
- Mcheidze, T.S. 1997. [*Spiders of Georgia: Systematics, Ecology, Zoogeographic Review*]. Tbilisi Univ., 390 pp. (in Georgian).
- Mello-Leitão, C.F.de 1917. Notas arachnológicas. 5, Especies novas ou pouco conhecidas do Brasil. *Broteria* **15**: 74-102, f. 1-24.
- Mello-Leitão, C.F.de 1941. Las arañas de Córdoba, La Rioja, Catamarca, Tucumán, Salta y Jujuy colectadas por los Profesores Birabén. *Revta Mus. La Plata (N.S., Zool.)* **2**: 99-198, f. 1-91, pls. 1-12, f. 1-59.
- Mello-Leitão, C.F.de 1942. Arañas del Chaco y Santiago del Estero. *Revta Mus. La Plata (N.S., Zool.)* **2**: 381-426, f. 1-56.
- Mello-Leitão, C.F.de 1945. Arañas de Misiones, Corrientes y Entre Ríos. *Revta. Mus. La Plata (N.S., Zool.)* **4**: 213-302, f. 1-93.
- Menge, A. 1873. Preußische Spinnen. VI. Abteilung. *Schrift. naturf. Ges. Danzig (N. F.)* **3**: 327-374, pls. 58-63, f. 187-213.
- Merian, P. 1911. Die Spinnenfauna von Celebes. Beiträge zur Tiergeographie im Indo-australischen Archipel. *Zool. Jahrb. Syst.* **31** (2): 165-354, pl. 3 & 56 ff.
- Mikhailov, K.G. 1997. *Catalogue of the spiders of the territories of the former Soviet Union (Arachnida, Aranei)*. Moscow, Zool. Mus., Moscow State. Univ., 416 pp.
- Miller, F. 1971. Pavouci-Araneida. *Klíč zvířeny CSSR* **4**: 51-306.
- Millidge, A.F. 1988. The relatives of the Linyphiidae: phylogenetic problems at the family level (Araneae). *Bull. Br. arachnol. Soc.* **7**: 253-268.
- Ohlert, E. 1867. *Die Araneiden oder echten Spinnen der Provinz Preußen*. Leipzig, pp. 1-172, pls. 1-2.
- Okuma, C., Kamal, N.Q., Hirashima, Y., Alam, M.Z. & Ogata, K. 1993. *Illustrated Monograph of the Rice Field Spiders of Bangladesh*. Institute of Postgraduate Studies in Agriculture (Salna, Gazipur, Bangladesh)-Japan International Cooperation Agency Project Publication 1, 93 pp.
- Oltean, C. 1973. Genus *Chiracanthium* C. L. Koch, 1839, in Romania. *Analele Univ. Bucuresti (Biol. anim.)* **22**: 45-49.
- Paik, K.Y. 1970. Spiders from Geojae-do Isl., Kyungnam, Korea. *Thes. Coll. grad. Sch. Educ. Kyungpook Univ.* **1**: 83-93.
- Paik, K.Y. 1985. Three new species of clubionid spiders from Korea. *Korean Arachnol.* **1**(1): 1-11.
- Paik, K.Y. 1990. Korean spiders of the genus *Cheiracanthium* (Araneae: Clubionidae). *Korean Arachnol.* **6**: 1-30.

- Paik, W.H. & Namkung, J. 1979. [Studies of spiders from paddy field of Korea.] 101 pp., 14 pls., 70 figs., 77 text-figs. Seoul Univ. Press. (In Korean)
- Palmgren, P. 1943. Die Spinnenfauna Finnlands II. *Act. zool. Fennica* **36**: 1-115, pls. 1-2.
- Patel, B.H. & Patel, H.K. 1973. On some new species of spiders of family Clubionidae (Araneae: Arachnida) with a record of genus *Castianeira* Keyserling from Gujarat, India. *Proc. Indian Acad. Sci.* **78(B)**: 1-9.
- Patel, B.H. & Reddy, T.S. 1991. On some new species of *Cheiracanthium* C. L. Koch and *Simalio* Simon (Araneae: Clubionidae) from coastal Andhra Pradesh, India. *Rec. zool. Surv. India* **89**: 269-276.
- Pavesi, P. 1885. Aracnidi racc. dal Boutourlin ad Assab e Massaua. *Bull. Soc. Ent. Ital.* **17**: 197-200.
- Pavesi, P. 1895. Aracnidi raccolti nel paese dei Somali dall'ing. L. Bricchetti-Robecchi. *Boll. sci.* **17**: 35-46.
- Peck, W.B. 1975. *Chiracanthium* in the Western Hemisphere. *Proc. 6th int. arachnol. Congr.*, pp. 204-209.
- Peck, W.B. & Whitcomb, W.H. 1970. Studies on the biology of a spider, *Chiracanthium inclusum* (Hentz). *Univ. Ark. agric. Exp. Sta. Bull.* **753**: 1-76.
- Pesarini C. 1997. Spiders (Arachnida Araneae) from Monte Barro (Italy, Lombardy, Lecco). *Mem. Soc. Ital. Sci. Nat. Mus. Civ. Stor. Nat. Milano*, **27(2)**: 251-263.
- Petrunkévitch, A. 1930. The spiders of Porto Rico. Part three. *Trans. Connect. Acad. Arts Sci.* **31**: 1-191, f. 1-168.
- Platnick, N.I. 1989. Advances in Spider Taxonomy 1981-1987. Ed. P. Merrett 673 pp. Manchester University Press. (In association with The British Arachnological Society) [Genus *Cheiracanthium*: pp. 438-440]
- Platnick, N.I. 1993. Advances in Spider Taxonomy 1988-1991, with Synonymies and Transfers 1940-1980. Ed. P. Merrett 846 pp. New York Entomological Society. (In association with The American Museum of Natural History) [Genus *Cheiracanthium*: pp. 606-608]
- Platnick, N.I. 1997. Advances in Spider Taxonomy 1992-1995, with Redescriptions 1940-1980. Ed. P. Merrett 976 pp. New York Entomological Society. (In association with The American Museum of Natural History) [Gen. *Cheiracanthium*: pp. 702-707]
- Platnick, N.I. 2001. The World Spider Catalog, Version 2.0
© Copyright 2000, 2001 American Museum of Natural History.
[Family Miturgidae, last updated April 30, 2001]
- Pocock, R.I. 1903. Arachnida. In Forbes, H.O. (ed.), *The Natural History of Sokotra and Abd-el-Kuri*. Liverpool, Special Bull. Liverp. Mus., pp. 175-208, pls. 14 & 26, f. 1-2.
- Próchniewicz, M. 1991. *Cheiracanthium campestre* Lohmander (1944) eine Seltene Clubionidae (Araneae). *Bull. Polish Acad. Sci., Biol. Sci.* **39**: 175-179.
- Rainbow, W.J. 1897. Descriptions of some new Araneidae of New South Wales. No. 8. *Proc. Linn. Soc. New S. Wales* **22(3)**: 514-553, pls. 17-18.

- Rainbow, W. J. 1920. Arachnida from Lord Howe and Norfolk Islands. *Rec. S. Austral. Mus.* **1**: 229-272, pls. 28-31, f. 1-127. (n. sp. part. by Pulleine).
- Ramírez, M.J., Bonaldo, A.B. & Brescovit, A.D. 1997. Revisión del género *Macerio* y comentarios sobre la ubicación de *Cheiracanthium*, *Tecution* y *Helebiona* (Araneae, Miturgidae, Eutichurinae). *Iheringia (Zool.)* **82**: 43-66.
- Reimoser, E. 1932. Einheimische Spinnen 10. *Die Natur (Wien)* **8(1)**: 7-12, f. 1-10; **8(3)**: 60-64, f. 11-33.
- Reimoser, E. 1937. Spinnentiere oder Arachnoidea. VII. Gnaphosidae oder Plattbauchspinnen. (Gnaphosidae, Anyphaenidae u. Clubionidae) In *Die Tierwelt Deutschlands*. Jena, 33(16): 1-99, f. 1-103.
- Roberts, M.J. 1985. *The spiders of Great Britain and Ireland*, Volume 1: Atypidae to Theridiosomatidae. Harley Books, Colchester, England.
- Roberts, M.J. 1995. *Collins Field Guide: Spiders of Britain & Northern Europe*. HarperCollins, London, 383 pp.
- Roberts, M.J. 1998. *Spinnengids*. Tirion, Baarn, Netherlands, 397 pp.
- Roewer, C.F. 1928. Araneae. In Zoologische Streifzüge in Attika, Morea, und besonders auf der Insel Kreta, II. *Abh. naturw. Ver. Bremen* **27(1)**: 92-124, pls. 1-2, f. 1-39.
- Roewer, C.F. 1938. Araneae. In Résultats scientifiques du Voyage aux indes orientales néerlandaises de la SS. AA. RR. le Prince et la Princesse Leopold de Belgique. *Mém. Mus. Hist. nat. Belg.* **3(19)**: 1-94, f. 1-71.
- Roewer, C.F. 1942. Katalog der Araneae von 1758 bis 1940. 1.Band 1040 pp. Bremen. [References: pp. 1-132]
- Roewer, C.F. 1951. Neue Namen einiger Araneen-Arten. *Abh. naturw. Ver. Bremen* **32(2)**: 437-456.
- Roewer, C.F. 1954. Katalog der Araneae von 1758 bis 1940, bzw. 1954. 2.Band, Abt. a. pp. 1-924 Bruxelles. [Genus *Cheiracanthium*: pp. 476-489]
- Roewer, C.F. 1961. IV. Opilioniden und Araneen. In Le Parc National de Niokolo-Koba, 2. *Mém. Inst. fr. Afr. noire* **62**: 33-81.
- Sadana, G.L. & Bajaj, K. 1980. A new Indian species of *Cheiracanthium* Koch (Araneida, Clubionidae). *Entomologist's mon. Mag.* **115**: 131-132.
- Saito, S. 1934a. A supplementary note on spiders from southern Saghalin, with descriptions of three new species. *Trans. Sapporo nat. Hist. Soc.* **13(3)**: 326-340, f. 1-10.
- Saito, S. 1934b. Spiders from Hokkaido. *Jour. Fac. agric. Hokkaido Imp. Univ.* **33(5)**: 267-362, pls. 12-15, 1-87.
- Saito, S. 1936. Arachnida of Jehol. Araneida. *Rep. First Sci. Exped. Manchoukuo* (Sect. 5; Div. 1) **3**: 1-88, f. 1-23 & pls. 1-32.
- Saito, S. 1939. On the spiders from Tohoku (northernmost part of the main island), Japan. *Saito Ho-on Kai Mus. Res. Bull.* **18**(Zool. 6): 1-91, f. 1-10; pl. 1, f. 1-21.
- Saito, S. 1959. *The Spider Book Illustrated in Colours*. Hokuryukan, Tokyo, 194 pp.

- Saveljeva, L.G. 1972. New species and subspecies of the family Clubionidae (Aranei) from the East-Kazakhstan district. *Zool. Zh.* **51**: 1404-1407.
- Schenkel, E. 1925. Beitrag zur Kenntnis der schweizerschen Spinnenfauna. *Rev. suisse zool.* **32(19)**: 253-318, f. 1-14.
- Schenkel, E. 1963. Ostasiatische Spinnen aus dem Muséum d'Histoire naturelle de Paris. *Mém. Mus. natn. Hist. nat. Paris (A, Zool.)* **25**: 1-481.
- Schmidt, G.E.W. & Barensteiner, R. 2000. Vier Spinnen-Arten aus der Inneren Mongolei (Araneae: Lycosidae, Clubionidae, Gnaphosidae, Salticidae). *Ent. Z., Stuttgart* **110**: 43-48.
- Schmidt, G.E.W., Geisthardt, M. & Piepho, F. 1994. Zur Kenntnis der Spinnenfauna der Kapverdischen Inseln (Arachnida: Araneida). *Mitt. internat. entomol. Ver.* **19**: 81-126.
- Schmidt, G.E.W. & Jocqué, R. 1983. Spinnen von der Insel Réunion (Araneae). *Revue Zool. afr.* **97**: 353-364.
- Schmidt, G.E.W. & Krause, R.H. 1995. Weitere Spinnen von Cabo Verde (Schluss). *Ent. Z., Frankf. a. M.* **105**: 365-380.
- Shinkai, A., Yoshida, T. & Ito, H. 1991. Function of the paracymbium in the male *Chiracanthium japonicum*. *Atypus* **98/99**: 40-42.
- Simon, E. 1864. *Histoire naturelle des araignées*. Paris, Edit. 1. pp. 1-540, f. 1-207.
- Simon, E. 1878. *Les arachnides de France*. Paris, 4: 1-334, pls. 12-16..
- Simon, E. 1882. II. Etude sur les Arachnides du l'Yemen méridional. In Viaggio ad Assab nel Mar Rosso dei signori C.Doria ed O.Beccari con il r. Aviso esploratiero del 16 nov. 1879 ad 26 feb. 1881. *Ann. Mus. civ. stor. nat. Genova* **18**: 207-260, pl. 8, f. 1-23.
- Simon, E. 1884. Arachnides recueillis à Khartoum (Soudan égyptien) par M. Vossion, vice-consul de France et appartenant au Muséum de Paris. *Bull. Soc. zool. France* **9**: 1-28, pl. 1, f. 1-15.
- Simon, E. 1886. Etudes arachnologiques. 18e Mémoire. XXVI. Matériaux pour servir à la faune des Arachnides du Sénégal. (Suivi d'une appendice intitulé: Descriptions de plusieurs espèces africaines nouvelles). *Ann. Soc. ent. France* (6) **5**: 345-386.
- Simon, E. 1890. Etudes arachnologiques. 22e Mémoire. XXXIV. Etude sur les arachnides de l'Yemen. *Ann. Soc. ent. France* (6) **10**: 77-124.
- Simon, E. 1896. Etudes arachnologiques. 27e Mémoire. XLII. Descriptions d'espèces nouvelles de l'ordre des Araneae. *Ann. Soc. ent. France* **65**: 465-510, pls. 12-13.
- Simon, E. 1897a. *Histoire naturelle des araignées*. II. Edit., Paris, **2(1)**: 1-192, f. 1-200.
- Simon, E. 1897b. Description d'arachnides nouveaux. *Ann. Soc. ent. Belg.* **41**: 8-17.
- Simon, E. 1897c. On the spiders of the island of St Vincent. III. *Proc. zool. Soc. Lond.* **1897**: 860-890.
- Simon, E. 1897d. Arachnides recueillis à l'île Madère par M. A. Fauvel en 1896. *Bull. Soc. ent. France* **1897**: 111-113.

- Simon, E. 1898. *Histoire naturelle des araignées*. II. Edit., Paris, **2(2)**: 193-380, f. 201-384..
- Simon, E. 1901a. Etude sur les arachnides recueillis au cours de la Mission de Bonchamps à travers l'Ethiopie, de Djibouti au Nil blanc (1897-1898). *Ann. Soc. ent. France* **70**: 18-66.
- Simon, E. 1901b. On the Arachnida collected during the Skeat expedition to the Malay Peninsula. *Proc. zool. Soc. Lond.* **1901(2)**: 45-84.
- Simon, E. 1903. Arachnides de la Guinée espagnole. *Mém. Soc. esp. hist. nat.* **1(3)**: 65-124.
- Simon, E. 1906. Arachnides (2e partie). In, Voyage de M. Maurice Maindron dans l'Inde méridionale. 8e Mémoire. *Ann. Soc. ent. France* **75**: 279-314, f. 1-4.
- Simon, E. 1909. Araneae. 2e partie. In Michaelsen & Hartmeyer, *Die Fauna Südwest-Australiens*. Jena, **2(12)**: 152-212, f. 1-14.
- Simon, E. 1910a. Arachnoidea. Araneae (ii). In, Schultze, L., Zoologische und anthropologische Ergebnisse einer Forschungsreise im Westlichen und zentralen Südafrika. *Denkschr. med. naturw. Ges. Jena.* **16**: 175-218.
- Simon, E. 1910b. Arachnides recueillis par L. Fea sur la côte occidentale d'Afrique. 2e partie. *Ann. Mus. civ. stor. nat. Genova* **44**: 335-449, f. 4-21.
- Simon, E. 1918. Notes sur la synonymie de plusieurs araignées de la famille des Clubionidae. *Bull. Soc. ent. France* **1918**: 201-202.
- Simon, E. 1932. *Les arachnides de France*. (Berland, L. & Fage, L.). Tome VI. *Synopsis générale et catalogue des espèces françaises de l'ordre des Araneae; 4e partie*. Paris, **6(4)**: 773-978, f. 1113-1501.
- Soares, B.A.M. & Camargo, H.F.de A. 1948. Aranhas coligidas pela Fundação Brasil-Central (Arachnida-Araneae). *Bolm Mus. Para. Emilio Goeldi* **10**: 355-409, pls. 1-4, f. 1-88.
- Song, D.X. 1980. [*Farm Spiders*]. Science Press, Beijing, 247 pp.
- Song, D.X. 1987. *Spiders from agricultural regions of China (Arachnida: Araneae)*. Agriculture Publishing House, Beijing.
- Song, D.X., Chen, X.E. & Hou, J.W. 1990. A new species of the genus *Chiracanthium* from China (Araneae : Clubionidae). *Acta zootaxon. sin.* **15**: 427-430.
- Song, D.X., Feng, Z.Q. & Shang, J.W. 1982. A new species of the genus *Chiracanthium* from China (Araneae: Clubionidae). *Zool. Res. Kunming* **3(suppl.)**: 73-75.
- Song, D.X., Yu, S.Y. & Shang, J.W. 1981. A preliminary note on spiders from Inner Mongolia. *Acta Sci. nat. Univ. Intramongolicae* **12**: 81-92.
- Song, D.X., & Zheng, S.X. 1981. A supplement note on three species of spiders from China. *Zool. Res. Kunming* **2**: 349-352.
- Song, D.X., Zhu, M.S. & Chen, J. 1999. *The Spiders of China*. Hebei Sci. Technol. Publ. House, Shijiazhuang, 640 pp.
- Sterghiu, C. 1985. Fam. Clubionidae. In *Fauna Republicii Socialiste România: Arachnida, Volumul V, Fascicula 4*. Academia Republicii Socialiste România,

Bucharest.

Strand, E. 1906a. Diagnosen nordafrikanischer, hauptsächlich von Carlo Freiherr von Erlanger gesammelter Spinnen. *Zool. Anz.* **30(19-20)**: 604-637 & 656-690.

Strand, E. 1906b. Tropischafrikanische Spinnen des Kgl. Naturalien-kabinetts in Stuttgart. *Jahresh. Ver. Naturk. Württbg.* **62**: 13-103, f. 1-13.

Strand, E. 1907a. Vorläufige Diagnosen afrikanischer und südamerikanischer Spinnen. *Zool. Anz.* **31(17-18)**: 525-558.

Strand, E. 1907b. Vorläufige Diagnosen süd- und ostasiatischer Clubioniden, Ageleniden, Pisauriden, Lycosiden, Oxyopiden und Salticiden. *Zool. Anz.* **31(17-18)**: 558-570.

Strand, E. 1907c. Diagnosen neuer Spinnen aus Madagaskar und Sansibar. *Zool. Anz.* **31(23)**: 725-748.

Strand, E. 1907d. Afrikanische Spinnen (exkl. Aviculariiden) hauptsächlich aus dem Kapland. *Zool. Jahrb. Syst.* **25(5-6)**: 557-731.

Strand, E. 1908a. Beiträge zur Spinnenfauna Madagaskars. (Forts.) *Nyt Mag. Naturw. Christiania* **46(2)**: 97-227.

Strand, E. 1908b. Exotisch araneologisches.-I. Amerikanische hauptsächlich in Peru, Bolivien und Josemitetal in Californien gesammelte Spinnen. -II. Spinnen aus Kamerun. -III. Übersicht der bekannten Hysterochrates-Arten. -IV. Zur Kenntnis der Araneae rufipalpis (Luc.) *Jahrb. nassau. Ver. Naturk.* **61**: 223-295.

Strand, E. 1908c. Nordafrikanische, hauptsächlich von Carlo Freiherr von Erlanger gesammelte Clubioniden. *Arch. Math. Naturvid. Christiania* **29(2)**: 1-70.

Strand, E. 1909. Süd- und ostasiatische Spinnen. II. Fam. Clubionidae. Fam. Salticidae. *Abh. naturf. Ges. Görlitz* **26**: 1-128, f. 22-50.

Strand, E. 1911a. Araneae von den Aru- und Kei-Inseln. *Abh. senckenb. naturf. Ges.* **34(2)**: 127-199.

Strand, E. 1911b. Spinnentiere aus Neu-Guinea (Opiliones, Psechridae und Clubionidae) gesammelt von Dr. Schlaginhaufen. *Abh. Ber. zool. Mus. Dresden* **13(5)**: 1-16.

Strand, E. 1915. Dritte Mitteilung über Spinnen aus Palästina, gesammelt von Herrn Dr J. Aharoni. *Arch. Naturg.* **81(A; 2)**: 134-171.

Strand, E. 1916a. Systematische-faunistische Studien über paläarktische, afrikanische und amerikanische Spinnen des senckenbergischen Museums. *Arch. Naturg.* **81(A; 9)**: 1-153.

Strand, E. 1916b. Zentralafrikanische Clubioniden. In Wissenschaftliche Ergebnisse der Deutschen Zentral Afrika Expedition 1907-1908, unter Führung Adolfg Friedrichs, Herzogs zu Mecklenberg. *Arch. Naturg.* **81(A; 11)**: 79-98.

Strand, E. 1917. Arachnologica varia XIV-XVIII. *Arch. Naturg.* **82(A; 2)**: 70-76.

Sundevall, C.J. 1832. Svenska Spindlarnes beskription. Fortsättning och slut. *Kongl. Svenska Vet. Ak. Handl.* **1832**: 171-272.

Thaler, K. 1981. Bemerkenswerte Spinnenfunde in Nordtirol (Österreich). *Veröff. Mus. Ferdinandeum Innsbr.* **61**: 105-150.

- Thorell, T. 1870. *Remarks on synonyms of European spiders. Part I.* Uppsala, pp. 1-228.
- Thorell, T. 1873. Remarks on Synonyms of European Spiders. *Nova Act. Reg. Soc. Sci. Upsaliae* **(3) 7**: 375-644.
- Thorell, T. 1875a. Verzeichniss südrussischer Spinnen. *Horae Soc. ent. Ross.* **11**: 39-122.
- Thorell, T. 1875b. Descriptions of several European and North African spiders. *Kongl. Svenska. Vet.-Akad. Handl.* **13(5)**: 1-203.
- Thorell, T. 1878. Studi sui ragni Malesi e Papuanti. II. Ragni di Amboina raccolti Prof. O. Beccari. *Ann. Mus. civ. stor. nat. Genova* **13**: 5-317.
- Thorell, T. 1881. Studi sui ragni Malesi e Papuanti. III. Ragni dell'Austro Malesia e del Capo York, conservati nel Museo civico di storia naturale di Genova. *Ann. Mus. civ. stor. nat. Genova* **17**: 1-727.
- Thorell, T. 1887. Viaggio di L. Fea in Birmania e regioni vicine. II. Primo saggio sui ragni birmani. *Ann. Mus. civ. stor. nat. Genova* **25**: 5-417.
- Thorell, T. 1890. Studi sui ragni Malesi e Papuanti. IV, 1. *Ann. Mus. civ. stor. nat. Genova* **28**: 1-419.
- Thorell, T. 1891. Spindlar från Nikobarerna och andra delar af södra Asien. *Kongl. Svenska. Vet.-Acad. Handl.* **24(2)**: 1-149.
- Thorell, T. 1895. *Descriptive catalogue of the spiders of Burma.* London, pp. 1-406.
- Thorell, T. 1897. Viaggio di Leonardo Fea in Birmania e regioni vicine. LXXIII. Secondo saggio sui ragni Birmani. I. Parallelodontes. Tubitelariae. *Ann. Mus. civ. stor. nat. Genova* **(2) 17[=37]**: 161-267.
- Thorell, T. 1899. Araneae Camerunenses (Africae occidentalis) quas anno 1891 collegerunt Cel. Dr Y. Sjöstedt allique. *Bih. Svenska. Vet.-Akad. Handl.* **25(4; 1)**: 1-105.
- Tikader, B.K. 1962. Studies on some Indian spiders (Araneae: Arachnida). *J. Linn. Soc. (Zool.)* **44**: 561-584.
- Tikader, B.K. 1969. Studies on spider fauna of Khasi and Jaintia hills, Assam, India. Part III. *J. Assam Sci. Soc.* **11**: 154-163.
- Tikader, B.K. 1975. A new species of spider of the genus *Cheiracanthium* Koch (family Clubionidae) from India. *J. Bombay nat. Hist. Soc.* **72**: 43-45.
- Tikader, B.K. 1976. Two new species of spiders of the genera *Cheiracanthium* Koch and *Clubiona* Latreille (family: Clubionidae) from India. *J. Bombay nat. Hist. Soc.* **73**: 175-177.
- Tikader, B.K. 1977. Studies on spider fauna of Andaman and Nicobar islands, Indian Ocean. *Rec. zool. Surv. India* **72**: 153-212.
- Tikader, B.K. & Biswas, B. 1981. Spider fauna of Calcutta and vicinity: Part-I. *Rec. zool. Surv. India, Occ. Pap.* **30**: 1-149.
- Tullgren, A. 1946. *Svenska spindelfauna: 3. Egentliga spindlar. Araneae. Fam. 5-7. Clubionidae, Zoridae och Gnaphosidae.* Entomologiska Föreningen, Stockholm, pp. 1-147, pls. 1-21, f. 1-275.

- Tyschchenko, V.P. 1971. *Opredelitel' paukov evropejskoj casti SSSR*. Leningrad, pp. 1-281.
- Urones, C. 1988. Las especies de *Chiracanthium* C. L. Koch, 1939 [sic] (Araneae: Clubionidae) en la Península Ibérica. *Graellsia* **43**: 139-152.
- Uyemura, T. 1937. [How to discriminate between two related species (1)]. *Acta arachn. Tokyo* **2**: 55-64.
- Villers, C.de. 1789. *Caroli Linnaei entomologia, faunae Suecicae descriptionibus aucta*. Lugduni, 4: 86-130 (pl. 11, f. 9).
- Walckenaer, C.A.de 1802. *Faune parisienne. Insectes. ou Histoire abrégée des insectes des environs de Paris*. Paris **2**: 187-250.
- Walckenaer, C.A.de 1805. *Tableau des aranéides ou caractères essentiels des tribus, genres, familles et races que renferme le genre Aranea de Linné, avec la désignation des espèces comprises dans chacune de ces divisions*. Paris, 88 pp., 9 pls., 88 f.
- Walckenaer, C.A.de 1830. Aranéides. In *Faune française ou histoire naturelle générale et particulière des animaux qui se trouvent en France, constamment ou passagèrement, à la surface du sol, dans les eaux qui le baignent et dans le littoral des mers qui le bornent par Viellot, Desmarrey, Ducrotoy, Audinet, Lepelletier et Walckenaer*. Paris, livr. 26: 97-175.
- Walckenaer, C.A.de 1837. *Histoire naturelle des insectes. Aptères*. Paris, 1: 1-682, pls. 1-15.
- Wegner, G.S. 1994. Sac spiders. *Natl. Pest Control Assoc. techn. Release ESPC* 039171-039176.
- Westring, N. 1861. Araneae Svecicae. *Göteb. Kongl. Vet. Handl.* **7**: 1-615.
- Wider, F. 1834. Beschreibung der Arachniden. In Reuss, A., *Zoologischen Miscellen. Mus. Senck. (Abh.)* **1**: 195-282, pls. 14-18.
- Wiehle, H. 1967a. Beiträge zur Kenntnis der deutschen Spinnenfauna, V. (Arach., Araneae). *Senckenberg. Biol.* **48**: 1-36.
- Wiehle, H. 1967b. *Meta*, -eine semientelegyne Gattung der Araneae (Arach.). *Senckenberg. biol.* **48**: 183-196.
- Wiehle, H. 1967c. Steckengebliebene Emboli in den Vulven von Spinnen (Arach., Araneae). *Senckenberg. biol.* **48**: 197-202.
- Wolf, A. 1991. Taxonomical studies on *Cheiracanthium erraticum* (Walckenaer, 1802) and *Cheiracanthium pennyi* O. P.-Cambridge, 1873 (Araneae, Clubionidae). *Zool. Beitr.* **33**: 233-245.
- Workman, T. 1896. *Malaysian spiders*. Belfast, pp. 25-104, pls. 1-104.
- Wunderlich, J. 1987. *Die Spinnen der Kanarischen Inseln und Madeiras: Adaptive Radiation, Biogeographie, Revisionen und Neubeschreibungen*. Triops Verlag, Langen, West Germany.
- Xie, L.P., Yin, C.M., Yan, H.M. & Kim, J.P. 1996. Two new species of the family Clubionidae from China (Arachnida: Araneae). *Korean Arachnol.* **12**(1): 97-101.
- Xu, G.Y. & Zhang, Y.J. 1993. A new report of the spider genus *Cheiracanthium* from China (Araneae: Clubionidae). *Acta arachn. sin.* **2**: 94-96.

- Xu, Y.J. 1993. A new species of spider of the genus *Chiracanthium* from China (Araneae: Clubionidae). *Acta arachn. sin.* **2**: 27-28.
- Yaginuma, T. 1960. *Spiders of Japan in colour*. Hoikusha, Osaka, 186 pp.
- Yaginuma, T. 1966a. [Discriminative aspects of *Chiracanthium* spp.]. *Atypus* **39**: 38.
- Yaginuma, T. 1966b. [A revision of species in "Spiders of Japan in colour"]. *Atypus* **40**: 35-36.
- Yaginuma, T. 1967. Revision and new addition to fauna of Japanese spiders, with descriptions of seven new species. *Lit. Dep. Rev. Otomon Gakuin Univ. Osaka* **1**: 87-107.
- Yaginuma, T. 1971. *Spiders of Japan in colour* (enlarged and revised edition). Hoikusha, Osaka, 197 pp.
- Yaginuma, T. 1977. A list of Japanese spiders (revised in 1977). *Acta arachn. Tokyo* **27**(Spec. No.): 367-406.
- Yaginuma, T. 1986. *Spiders of Japan in color* (new ed.). Hoikusha Publ. Co., Osaka.
- Yamakawa, M. & Kumada, K. 1979. [Spiders of Tanzawa mountain area]. *Atypus* **74**: 1-14.
- Yoshikura, M. 1987. *The biology of spiders*. Japan Scientific Societies Press, Tokyo.
- Zhang, G.R. 1994. Two newly recorded species of genus *Chiracanthium* from China (Araneae: Clubionidae). *Acta arachn. sin.* **3**: 133-134.
- Zhang, G.R., Hu, Y.J. & Zhu, C.D. 1994. A new species and a newly recorded species of the genus *Chiracanthium* (Araneae: Clubionidae) from China. *Acta arachn. sin.* **3**: 8-10.
- Zhang, G.R. & Zhu, C.D. 1993a. A new species and a newly recorded species of the genus *Chiracanthium* (Araneae: Clubionidae) from Zhangjiajie, China. *Acta arachn. sin.* **2**: 76-79.
- Zhang, G.R. & Zhu, C.D. 1993b. Two new species of the genus *Chiracanthium* from China (Araneae: Clubionidae). *Sichuan J. Zool.* **12**(4): 5-6.
- Zhang, G.R., Zhu, C.D. & Hu, Y.J. 1993. Three new species of spiders (Arachnida: Araneae) from China. *Nat. Enemies Insects* **15**: 106-111.
- Zhang, Y.J. & Yin, C.M. 1999. Two new species of the genus *Cheiracanthium* from China with notes on male spiders of two species (Araneae: Clubionidae). *Acta zootaxon. Sin.* **24**: 285-290.
- Zhang, W.S. (ed.) 1987. [*Farm spiders from Hubei Province*]. Hubei Sci. Tech. Press, 299 pp.
- Zhao, J.Z. 1993. *Spiders in the Cotton Fields in China*. Wuhan Publishing House, Wuhan, China, 552 pp.
- Zhu, M.S., et al. (eds.) 1985. [*Crop field spiders of Shanxi Province*]. Agriculture Planning Committee of Shanxi Province.
